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UNIVERSITY OF ARKANSAS
LIBRARY

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CALENDAR

1910

1910	JULY							1910
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CALENDAR, 1910-1911

1910.

- MAY 26. Final Examinations Begin in the Departments at Fayetteville—Thursday.
- MAY 30. Memorial Day—a Holiday—Monday.
- JUNE 3. Memorial Day—a Holiday—Friday.
- JUNE 5. Baccalaureate Sermon, U. of A. Chapel—Sunday.
- JUNE 8. *Commencement*—Wednesday.
- JUNE 13. Summer Session Begins at Fayetteville—Monday.
- JULY 23. Summer Session Ends—Saturday.
- SEPT. 14. *Academic Year* Begins in all Departments at Fayetteville—Wednesday.
- SEPT. 14-17. Examinations for Admission to B. A., Engineering, Scientific, Normal and Preparatory Courses—Wednesday to Saturday.
- SEPT. 19. Fall Term Begins in the Law School, Little Rock—Monday.
- SEPT. 29. Regular Session Begins in the Medical School, Little Rock—Thursday.

1911.

- JAN. 14. Fall Term of Law School Ends—Saturday.
- JAN. 16. Spring Term of Law School Begins—Monday.
- JAN. 21. Mid-Year Examinations Begin in the Departments at Fayetteville—Saturday.
- JAN. 28. First Term Ends in all Departments at Fayetteville—Saturday.
- JAN. 30. Second Term Begins in all Departments at Fayetteville—Monday.
- APR. 29. Regular Session Ends in the Medical School, Little Rock.
- APR. 29. Last Day for Receiving Essays for the William Jennings Bryan Prize—Saturday.
- MAY 25. Final Examinations Begin in the Departments at Fayetteville—Thursday.
- MAY 27. Spring Term of Law School Ends—Saturday.
- MAY 30. Memorial Day—a Holiday—Tuesday.
- JUNE 3. Memorial Day—a Holiday—Saturday.
- JUNE 4. Baccalaureate Sermon, U. of A. Chapel—Sunday.
- JUNE 7. *Commencement*—Wednesday.

DEPARTMENTS OF THE UNIVERSITY

The University comprehends the following departments:

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THE COLLEGE OF LIBERAL ARTS, SCIENCES, AND ENGINEERING.

THE COLLEGE OF AGRICULTURE.

THE AGRICULTURAL EXPERIMENT STATION.

THE CONSERVATORY OF MUSIC AND ART.

THE PREPARATORY SCHOOL.

At Little Rock:

THE MEDICAL SCHOOL.

THE LAW SCHOOL.

At Pine Bluff:

THE BRANCH NORMAL COLLEGE.

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*Term expires January 1, 1911.

**Term expires January 1, 1913.

***Term expires January 1, 1915.

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*Absent on leave.

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Assistant Superintendent of Mechanic Arts.

JAMES LINCOLN ROSS,

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ON DOUBTFUL CASES—Professors Knoch, Reynolds and Carroll.

ON CLASSIFICATIONS AND PETITIONS—B. A. Students, Professors Purdue, Greever and Droke; B. M. E. Students, Professor B. N. Wilson; B. C. E. Students, Professor Knoch; B. E. E.

Students, Professor Gladson; B. Mi. E. Students, Professor Steel, B. Ch. E. and B. S. C. Students, Professor Carroll; B. S. A. Students, Professor Adams; Conservatory Students, Director Toyey; Preparatory Students, Principal Ramsey.

ON ACCREDITED SCHOOLS—Professors Reynolds, Dunn, Carroll, Greever, and Hewitt

ON THE LIBRARY—Professors Wannamaker, Reynolds, Purdue and Mrs. Austin.

ON THE CATALOGUE—Professors Futrall, Knoch, Marinoni, and Nelson.

ON THE SCHEDULE—Professors Futrall, Purdue, Gladson, and Nelson.

ON EMPLOYMENT—Professors Johnson, Knoch, and Shannon.

ON ENTERTAINMENTS—Professors Wilson, Brough, and Toyey

ON COMMENCEMENT—Professors Johnson, Droke, and Gladson.

ON ADVISERS—Professors Droke, Brough, Wannamaker and Ramsey.

ON PUBLIC APPEARANCE—Professors Futrall and Bezdek.

GENERAL STATEMENT

ORIGIN.

The University of Arkansas owes its origin to an act of congress, approved July 2, 1802, providing that public lands should be granted to the several states, to the amount of "30,000 acres for each senator and representative in congress," for the sale of which there should be established a perpetual fund, "the interest of which shall be inviolably appropriated by each state, which may take and claim the benefit of this act, to the endowment, support, and maintenance of at least one college, where the leading object shall be, without excluding other scientific and classical studies and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts, in such manner as the legislature of the states may respectively prescribe, in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions of life." The act forbids the use of any portion of the aforesaid fund, or of the interest thereon, for the purchase, erection, or maintenance of any building or buildings. The states accepting the provisions of the act are required to provide for the construction and maintenance of the necessary buildings, and for the expenses of administration in carrying out the purposes of the act.

The general assembly of the state of Arkansas accepted the national law by passing an act, approved March 27, 1871, which provided for the location, organization and maintenance of the University of Arkansas, and which allowed the several counties of the state to compete until a certain time for the location of the University by making public or private donations of bonds, moneys, or lands. Several individuals and communities made bids: Washington, the only county that competed, voted \$100,000. Fayetteville, Washington County, voted \$30,000 in addition, and was selected as the seat of the University. The institution was opened January 22, 1872.

Under an act of congress, approved March 2, 1887, the University receives \$15,000 annually for the maintenance of the experiment station, "to aid in acquiring and diffusing among the people useful and practical information on subjects connected

with agriculture, and to promote scientific investigation and experiment respecting the principles and applications of agricultural science." In 1906, the congress passed an act increasing this appropriation by the sum of \$5,000 the first year, and providing for an additional increase of \$2,000 per annum, until such increased appropriation reaches \$15,000 annually.

Under an act of congress, approved August 30, 1890, the University receives \$25,000 annually, "to be applied only to instruction in agriculture, the mechanic arts, the English language, and the various branches of mathematical, physical, natural and economic science, with special reference to their application to the industries of life."

On March 4, 1907, the congress passed an act increasing this appropriation at the rate of \$5,000 per annum, until the total amount appropriated annually reaches \$50,000.

As required by law, three-elevenths of this sum goes to the Branch Normal College at Pine Bluff.

PURPOSE.

The University is at the head of the public educational system of the state of Arkansas. It seeks to foster the higher educational interests of the state, broadly and generously interpreted, and to make provision for the demands of advanced scholarship in as many lines as its means will permit. It is the aim of its faculty and board of trustees, from year to year, to bring it into still closer articulation with the public schools of the state, and in connection with them to afford to all the youth of either sex ample facilities for liberal education in literature and science, and technical education in the industrial arts and professional studies.

Through the aid received from the United States and from the state of Arkansas, the University is enabled to offer to its students free tuition, except in the studies of law, medicine, music, and art, and to open wide her doors to all seekers of learning.

LOCATION.

Five of the eight divisions of the University, viz.: the College of Liberal Arts, Sciences and Engineering, the Preparatory School, the Conservatory of Music and Arts, the College of

Agriculture, and the Agricultural Experiment Station, are located at Fayetteville, Washington County, Arkansas. Situated in the heart of the Ozark Mountains, it is more than 1,500 feet above the sea level. The location is thought to be unsurpassed in salubrity of climate, in beauty of surrounding scenery, in variety and perfection of agricultural and horticultural productions, and in the morality and intelligence of its people.

Students may reach Fayetteville from both the north and the south of the Texas branch of the St. Louis & San Francisco Railroad, which has four trains daily each way, and various connections with other roads, both north and south. From the west students may reach Fayetteville by the Ozark & Cherokee Central Railroad.

SUMMER SESSION.

The first Summer Session of the University will open on June 13, 1910, and close July 23.

The curriculum will consist of courses of grammar school, high school, and college grade, together with professional courses. The ideal set up for the first session is highly competent instruction in the several divisions of the curriculum, and earnest, effective application on the part of the students. For the grammar school grade of work the instructors will be, in every case possible, teachers who have proven themselves in this kind of school work. There may be a practice school for demonstration of methods in grammar school work, though this has not yet been actually arranged for. Miss Bland, of the Department of Education of the University, who has had experience for several years in the summer session of the University of Illinois, has been scheduled for two of the courses. Professor Torreyson, of the Department of Secondary Education, well known over the State, will give two courses for the special benefit of teachers in the secondary schools.

The high school and collegiate courses will be given mostly by members of the faculty of the University. The staff will be a thoroughly competent force comprising some of the heads of departments, some of the associate professors, and other members of the regular staff of the University.

Full information can be obtained by consulting the Supplement to No. 4, Volume 3, of the University Bulletin, which will be mailed on application to the President.

EQUIPMENT OF THE UNIVERSITY AT FAYETTEVILLE

UNIVERSITY HALL.

This is a brick structure with cut stone trimmings and a stone foundation. It is four stories in height above the basement. It consists of a front building, two hundred and fourteen feet in length, and two wings, each one hundred and twenty four feet in length, the whole forming three sides of a quadrangle. This building contains a large number of class rooms, chapel, departmental libraries of mathematics and English and modern languages, general library and collegiate study hall, separate study halls for the boys and girls of the Preparatory School, armory, gymnasium, band room, laboratories for biology, geology and mining, engineering, music and art rooms, president's and commandant's offices, natural history museum, literary society halls, toilet rooms, etc., in all, seventy rooms, together with broad corridors and stairways. The building is heated by steam, lighted by electricity, and supplied with water from the city waterworks.

ENGINEERING HALL.

Engineering Hall is located on the main driveway, just south of University Hall. It accommodates the departments of electrical, civil and mechanical engineering, with offices, lecture rooms, and laboratories. It is built of native sandstone and pressed brick, with limestone trimmings.

The building is one hundred and fifty by fifty eight feet, four miles, three stories high and contains thirty-two rooms, aggregating about 2000 square feet of floor space. A corridor divides the building from east to west and is intersected at the middle by another hallway from the front of the building, thus giving easy access to any room.

In addition to the laboratories, offices, lecture rooms and draughting rooms of departments of engineering, there is an assembly room on the first floor for the accommodation of the engineering societies, and other gatherings too large to be accommodated in a lecture room.

The library and reading room contains engineering magazines, journals and technical works on engineering.

MECHANICAL HALL.

Mechanical Hall is of brick, forty feet wide and one hundred and fifty-five feet in length, with an ell thirty-five by forty feet, and contains the machine shop, wood shop, foundry, and forge shop. The shops will accommodate about seventy-five students at one time. Adjoining on the east is a boiler room fifty-three by fifty-four feet, containing three fire tube boilers of seventy horsepower each, one water tube boiler of one hundred horsepower, one water tube boiler of one hundred and fifty horsepower, and also the necessary pumps, injectors, water heaters, etc.

COLLEGE OF AGRICULTURE AND AGRICULTURAL EXPERIMENT STATION.

The College of Agriculture and the Agricultural Experiment Station are closely related and united in their work, the personnel of their working forces being largely the same. The equipment of the Experiment Station, including field experiments and the results of investigations, is at the disposal of the college for purposes of instruction and demonstration.

The buildings include two old experiment station buildings which are devoted largely to laboratories and offices. In them are found the offices, laboratories, and such equipment as is necessary for indoor work of the departments of Animal Husbandry, Horticulture, Plant Pathology, Agricultural Chemistry, and Veterinary Science.

In the new agricultural building is found the office of the Dean and Director, Entomologist, and Agronomist, also the class rooms and laboratories of Entomology and Agronomy.

The Dairy Department has a stone building forty-five by seventy-five feet, two stories, with cheese-curing room and complete refrigerator plant, with two cold storage rooms for butter in the basement. On the first floor is located the creamery room containing different types of pasteurizers, ripeners and churns; the cheese-making room fully equipped for the manufacture of Cheddar cheese; and a farm dairy which has many styles of hand separators, butter workers and churns. The second floor affords accommodation for a large lecture room, milk testing laboratory and offices. The dairy manufactures four to five hundred pounds of butter each week throughout the year.

A greenhouse serves to keep up a stock of plants for campus and indoor decorations and offers a place for experiments and instruction in forcing and greenhouse methods.

There are also a cottage for the farm foreman, barns, and implement and tool houses for the various departments.

CHEMISTRY BUILDING.

On the first floor are located laboratories for qualitative and quantitative analysis, organic and physical chemistry, a private office and laboratory and a balance room.

On second floor is the general lecture room, accommodating over one hundred and fifty students, with raised seats, giving each student full view of the lecturer's demonstrating table. Occupying all of one end of the second floor is the general chemistry laboratory, thirty eight by forty two feet, with a large balance room, storage room, and other accessories.

PHYSICS BUILDING.

The frame building formerly used as a physical laboratory was destroyed by fire in the fall of 1900. Temporary quarters have been provided for the department in Engineering Hall. The next legislature will be asked for an appropriation for a building and suitable equipment.

BUCHANAN HALL.

This is a substantial and handsome brick building, three stories high, and containing over forty rooms. It is favorably located, with a view to the health of the occupants, and convenience of access to University Hall. The rooms are large, well ventilated and lighted, and open into broad corridors, extending lengthwise through the building. From a side veranda in front there are three entrances to the building. There are also two rear entrances. Behind the hall a brick bath house has been erected, which contains bath and toilet rooms, supplied with cold and hot water.

HILL HALL.

In honor of Lieutenant-General Daniel Harvey Hill, C. S. A., who served ably as president of the University of Arkansas from June 10, 1877, until June 6, 1884, the name "Hill Hall" has been given the building known until 1901 as the "New Dormitory."

This structure, for which a special appropriation was made by the general assembly of 1901, is located west of University Hall, and north of Buchanan Hall, and is convenient of access to both buildings. It is a substantial brick structure, three stories high, with a foundation of rough stone work, and with trimmings of dressed limestone, and contains in all some twenty five rooms. The first story contains a commodious dining hall, thirty eight by eighty six feet, which is sufficiently large to accommodate all students who occupy rooms in University dormitories. On this floor are also kitchen, storeroom, furnace room, coal bin, etc. The second and third stories contain some twenty rooms for students, besides ample corridors, stairways, etc. By the aid of the superintendent and the liberality of students and citizens a handsome suite of parlors has been tastefully and elegantly furnished. The entire building is heated by steam, lighted by electricity, and supplied with water by the city waterworks.

GRAY HALL.

This is a dormitory for young men. It is named in honor of Colonel Oliver Crosby Gray, C. S. A. Born and educated in Maine, he became thoroughly and prominently identified with the interests of the state of Arkansas. For a number of years he was Professor of Mathematics and Commandant in the University of Arkansas.

It was the purpose in the arrangement and planning of Gray Hall to provide as many bed rooms as possible with every comfort and convenience patterned after the U. S. Army barracks, with a two-story veranda extending entirely across the front.

Each of the two floors has thirty four bed rooms and four large linen closets. The bed rooms are of an average size of twelve by fourteen feet, for two students each, with a large wardrobe and book shelves in each room, which is amply lighted by two large outside windows.

The building is one hundred and seventy-six feet in length by twenty-two feet in total depth, and is divided into groups or wings of twenty-four to six rooms each, each group being inclosed within a brick fire wall, and all rooms being about equally distant from the two large flights of stairs.

An excellent system of steam heat is installed and connected with the general heating plant of the University.

The general exterior is good, having wide overhanging eaves with graceful roof lines, gray stone trimmings and a good frontage, which adds to the effectiveness.

ELLA CARNALL HALL.

The dormitory for young women is named "Ella Carnall Hall" in honor of Ella Carnall, Ph. M., Associate Professor of English and Modern Languages in the University of Arkansas, who died much beloved by both pupils and fellow teachers, and who bequeathed to the University her library of useful works in modern philology.

Ella Carnall Hall is designed to be complete within itself, having its own toilet and bath rooms, dining room, kitchen, and independent steam heating plant. The building faces south, with a frontage of one hundred and ninety feet, and an eastern and western exposure of one hundred and six feet.

The first floor comprises a large parlor and a library, each thirty feet square, four first-aid closets in the right and the left respectively at the main entrance, and a recreation room and parlor, all joining. In the rear wings of this story are the dining room, recreation room (each thirty-five by forty feet), kitchen and pantry. The east and west wings contain each a group of five bed rooms with a toilet and bath room, with a ten-foot veranda extending across the front end of these wings.

The second story has thirty-six bed rooms, four large linen closets, and four toilet rooms.

In the third story are eight full-sized bed rooms, two toilet rooms, and ten rooms for individual piano practice. The latter are isolated in the east and west wings in such a manner as not to interfere with study or any other work going on in the building.

The arrangement of this building is such that every bed room has two fire-escape windows, giving ample light and ventila-

tion, one large wardrobe, and one alcove with book shelves. The rooms average twenty by fourteen feet or over, and accommodate two students each.

All halls are well lighted and ventilated. The toilet rooms are so grouped and arranged as to give perfect sanitation at all times, and the stairways, four in number, are at the most convenient points to feed the building equally. This building has a pleasing exterior, distinguished by its massive but well-proportioned lines, its spacious verandas, and generally home-like and inviting appearance.

HOSPITAL.

This is a one and one-half story brick building, forty-five by sixty-two feet, with a stone basement. The latter contains a kitchen, dining room, pantries, and a storage cellar with cement floors. The first story has a wide recreation and service corridor the entire length, with a fireplace and vestibule entrance; a reception room and parlor with a fireplace; an open ward for men with four beds; a men's bath and toilet room; a public toilet room, adjoining the men's bath room, the fully equipped wound dressing and operating room; a private ward for men and one for women; also a large open ward for women and women's bath room; and a contagious ward entirely isolated from the rest of the building, with its own toilet room and fireplace. The second story contains four large finished rooms for the use of nurses and servants, or other purposes, if it is desired, plenty of closets, a linen room, and a large store room. The building is supplied with hot and cold water and electric lights, and is modern in every particular. It looks more like a home than a hospital.

GENERAL LIBRARY AND DEPARTMENTAL LIBRARIES.

The general library, occupying the second floor of the north wing of University Hall, is for the use of the whole University. All students who have matriculated may take out books, one volume at a time. A list of printed rules governing the use of the library may be had upon application to the Librarian. Officers of the University have access to the shelves, and students engaged in advanced work, upon recommendation by their instructors, may have books reserved from those parts of the collection with

which they are occupied. The reading room of the general library is a study hall for collegiate students only.

The leading high-class periodicals (including magazines, reviews, and various technical monthlies) are taken and bound as they accumulate. This fund of current literature is rendered useful and accessible by Poole's Index and Readers' Guide to Periodical Literature. Forty-six magazines, nine weekly, and seven daily papers are received by the general library.

The general library contains 14,105 books and 5,000 pamphlets, with a catalogue on cards, which is accessible to the public and consists of two parts, one arranged by authors, the other by title.

In addition there are departmental libraries, opened to advanced students engaged in research work, and in charge of the heads of the several departments. These special libraries contain the following number of volumes:

General Libraries: U. H. 22; 300 books. PROFESSOR FURBELL.
Classical and Modern Languages: U. H. 30; 975 bound books, 205 unbound books.

PROFESSORS SHANNON, MARINONI AND LENTZ.
Mathematics and Astronomy: U. H. 34; 300 books; 45 pamphlets. PROFESSOR DROKE.

Chemistry: Chemical Laboratory; 128 books; 140 journals; 950 pamphlets. PROFESSOR CARROLL.

Biology: U. H. 32; 250 books. PROFESSOR PICKEL.
Geology and Mining: U. H. 30; 1,227 books; 1,020 pamphlets.

PROFESSOR PURDUE.
Civil Engineering: Eng. Hall; 200 books. PROFESSOR KNOCH.

Agriculture: Experiment Station; 2,000 books; 10,000 pamphlets; 35 journals. ACTING DIRECTOR ADAMS.

Preparatory School: U. H. 12, 13, and 25; 180 books. PRINCIPAL RAMSEY.

Expression: U. H. 38; 75 books. MRS. CROCKETT.

Mechanical Engineering: 200 books. PROFESSOR WILSON.

Thus the various branches of the University library contain 19,806 books and 18,129 pamphlets.

THE LABORATORIES.

The laboratories of the University opportunities are provided for practical instruction in chemistry, mineralogy, physics, botany, zoology, entomology, horticulture, and in civil, mechanical, electrical, chemical, and mining engineering.

CHEMICAL LABORATORIES.

The work in chemistry is carried on in the newly erected Chemistry Building. On the first floor of the building are laboratories for quantitative and qualitative analysis, organic chemistry, physical chemistry, the balance room, and a library. On the second floor is a large lecture room and a general laboratory for first year students. In the basement are store rooms and the laboratory for assaying. The various laboratories are well provided with work-tables, sinks, hoods, water and gas. The department is provided with apparatus sufficient for the present needs.

BIOLOGICAL LABORATORY.

The biological laboratory is located on the third floor of University Hall, and has accommodation for about forty students. The laboratory is furnished with work tables, a sink, and the necessary gas fixtures for incubators, sterilizers, etc.; also an aquarium for keeping aquatic animals and plants on hand for observation and study. The equipment in apparatus consists of Bausch and Lomb compound microscopes, dissecting microscopes, microtomes, and such other apparatus and chemicals as are needed for the practical work in biology. There is a collection of insects, and also apparatus for collecting, drying, preserving and mounting insects. The laboratory has a number of skeletons of different animals, and models and charts for teaching plant and animal anatomy.

LABORATORIES OF GEOLOGY AND MINING ENGINEERING.

The geological department is provided with aneroid barometers, compasses, hand-levels, pedometer, etc., for field work. There is also a well equipped laboratory for determinative mineralogy.

MECHANICAL ENGINEERING LABORATORY.

The laboratory contains the following machinery: One thirty-five horsepower compound automatic steam engine, one Hornsby-Akroide oil engine, one Kerr steam turbine, one slide valve steam engine, one ten horsepower Weber gasoline engine, one thirty-

one horsepower Westinghouse compound steam engine, one 4 X 8 1/2 X 14 duplex steam pump, one fifty horsepower Wheeler condenser with air, water and circulating pumps, one 60,000 pound Kliebe testing machine, an Olsen oil testing machine, a viscometer, a flash point tester, one Polimeter steam pump, and one Westinghouse air compressor.

The laboratory is well provided with apparatus for experimental work, including a Muhlert bomb calorimeter for testing fuels, an Orsat apparatus for flue gas analysis, a Junker calorimeter, steam calorimeters, six engine indicators, two injectors, an assortment of thermometers, pressure gauges, measuring tanks, feed water heater, water meters, scales, etc.

The steam boilers used for heating the University buildings are arranged so as to be available for experimental work, and the steam engine, a Corliss, is also used for purposes of instruction.

Among the facilities for instruction in engineering contained in the equipment of the mechanical department in addition to that given under the heading of shops, mechanical engineering drawing room, and mechanical laboratory may be mentioned a Deane steam pump with air chamber, water and steam cylinders and fully chambered section, also that a student may see the working parts; a Cornish steam pump with a steam cylinder sectioned, showing the valve motion; a Keweenaw pump in full working order; a Blake steam pump in section, sections of injectors; a model of Stevenson's tank engine; and a collection of samples of manufactured articles such as steam pipe coverings, leather belt lings, lubricating oils, etc.

ELECTRICAL LABORATORIES.

The dynamo laboratory affords excellent facilities for experimental work in practical machinery. It is located in the east end of the basement of the Engineering Hall.

The power is supplied by a 30 horsepower vertical type, double cylinder gasoline engine, and a 20 K. W. induction motor. A 60 cell, 200 ampere-hour storage battery supplies current for experiments in which absolutely steady power is desired.

There are direct current dynamos and motors of the constant current and constant potential types. Single, two and three phase alternators supply current at various voltages and fre-

quencies. There are transformers, converters, synchronous and induction motors, with a liberal supply of measuring instruments for use with the various machines.

The senior laboratory is located on the first floor of Engineering Hall, and is supplied with direct current at 110, 220 and 500 volts. Alternate current, single phase, at 50, 100 or 200 volts and 60 cycles. Two phase, 60 cycle at 110 or 220. Three phase at 110 or 220 volts, with a frequency of 60 to 133 cycles per second. A high tension testing transformer supplies current at any voltage up to 120,000 volts for testing of insulators, while standard cells, a Kelvin balance and a potentiometer furnish means for calibrating the laboratory measuring instruments. The equipment enables students to carry on experimental work of a very wide range and to obtain proficiency in operating and testing electrical machinery.

Students are also permitted to inspect the plant of the Fayetteville Electric Light and Power Company, take measurements and make tests on it. Their primary mains supply the electrical laboratory with alternate current at 60 cycles and 2,000 volts.

The photometric laboratory, which also serves as a photographic and X ray dark room, is supplied with standard photometer bar, Lummer-Brodhun screen and Amylacetate lamp. It is connected by a cable with the switchboards in the storage battery room and in the dynamo room.

CIVIL ENGINEERING LABORATORY AND EQUIPMENT.

The instrument laboratory for this department is located on the first floor of Engineering Hall and is provided with all the necessary instruments for work in land, railroad, and city surveying and office work. The equipment of the field instruments has been selected so as to afford students the opportunity of becoming familiar with the instruments of the different manufacturers. Among the instruments there are a number of engineers' transits and Y levels, theodolites, transit and solar attachment, compasses, hand levels, standard and ordinary steel tapes, plane tables, sextant, aneroid, and mercurial barometers, etc. An equipment for practical astronomy has been added, consisting of a large altazimuth, reading to seconds by levels and micrometers;

a sidereal clock with break circuit attachment, and a chronograph reading to tenths of seconds.

The laboratory for testing materials of construction and for work in experimental hydraulics is located in the northwest corner of the basement of Engineering Hall. It is a well-lighted room having a floor space of 2,450 square feet.

The equipment for the purpose of testing the quality and strength of cements and mortars includes one 2,000 pound tension machine, one 1,000-pound automatic machine, brass molds for tension, compression, and transverse test pieces, storage tanks and apparatus for testing concretes, specific gravity, and activity, and for accelerated tests.

For steel testing the laboratory contains a 4,000 pound tension machine and a 5,000 pound transverse machine for tests on bars, and a Fremont impact testing machine. Special apparatus has been provided for testing paving brick and road material, among which may be mentioned a grinding machine for preparing test specimens and machines for abrasion tests.

The equipment for experiments in hydraulics consists of a Pelton water wheel, a hydraulic engine, water meters, weirs and other apparatus.

The laboratory is also well equipped for making blue and brown prints of any size up to 36x64 inches.

AGRICULTURAL CHEMISTRY LABORATORY.

The laboratory of agricultural chemistry is located in three rooms in the old experiment station building. It is equipped with water, gas, tables, stools, and all apparatus necessary for analytical work relative to various agricultural problems.

HORTICULTURAL LABORATORY.

For some phases of study the principal laboratory for the student of horticulture is the field and garden.

For such work as must be carried on indoors there is available for study and practice a fairly complete equipment of spraying machinery, garden tools, implements and conveniences. There are rooms equipped for practical instruction in grafting, seed sowing, seed testing, and transplanting. The greenhouse offers

facilities for some phases of class work, plant study and practice. There is an equipment of microscopes and accessories for the study of diseases, the minute structure of plants, and functions. The departmental library embraces several hundred volumes and a large number of pamphlets. These are available for reference by students in horticulture, and others, under the usual regulations.

LABORATORIES OF ANIMAL PATHOLOGY AND VETERINARY SCIENCE.

These occupy three rooms in the Experiment Station building and are equipped with all modern apparatus used in advanced work in this line, including Zeiss and Reichert microscopes, thermostats, sliding, paraffine and freezing microtomes, and a fairly complete reference library of home and foreign publications on patho-biological research.

ENTOMOLOGICAL LABORATORY.

The entomological laboratory is located on the first floor of the Agricultural Building, occupying two rooms. It is well supplied with apparatus such as microscopes, microtomes, paraffine baths, and dissecting instruments. There are collecting nets, insect cabinets, work tables, and a very complete set of entomological publications at the disposal of the student. The collection of insects is growing rapidly and serves as a valuable aid to the student of entomology.

LABORATORY OF PLANT PATHOLOGY.

The Laboratory of Plant Pathology is located in the Experiment Station Building. It is equipped with highest power microscopes and such high standard apparatus as is necessary for studying the tissues of plants, the development of diseases therein; laboratory materials and specimens for study.

SOILS LABORATORY.

The Soils Laboratory is located on the first floor of the Agricultural Building. It is equipped with apparatus for special study of soils with the view of giving the student an insight

into the formation, composition and character of soils with reference to its bearing upon soil fertility, adaptability and all methods of soil treatment affecting the productivity and conservation of soils.

FIELD CROPS LABORATORY.

The Laboratory of Field Crops is located on the second floor of the Agricultural Building. A complete set of material is used in the study of types, strains and quality and the scoring and judging of staple and miscellaneous crops.

SHOPS.

The machine shop contains a Corliss engine, which runs the machinery in the whole building, a large iron planer, a shaper, several lathes of different sizes and makes, drill press, grinding machines, milling machine, and a good supply of hand tools, benches, and materials.

The forge shop contains eight Buffalo forges with down draft, which takes the smoke away through underground pipe, thus avoiding the smoke and dirt of the ordinary blacksmith shop. It also contains a shearing and punching machine, eight anvils of different weights, and all the necessary blacksmith tools for the eight forges.

The wood shop contains one buzz planer, one large cylinder planer, circular saw, band saw, five smaller lathes, one 18 inch pattern maker's lathe, one double column shaper and twenty six benches, each equipped with a complete set of carpenter's tools.

The foundry contains one Colleau cupola with a capacity of one and one-half tons of iron per hour, one brass furnace of one hundred and fifty pounds capacity, Buffalo pressure blower and core oven.

The boiler room contains three seventy horsepower fire tube boilers, one water tube boiler of one hundred horsepower, and one water tube boiler of one hundred and fifty horsepower, besides feed pumps, injectors, measuring tanks, etc.

The various departments of the shop building afford facilities for giving practical instruction to seventy-five students at one time.

MECHANICAL ENGINEERING DRAWING ROOM.

The equipment includes the usual tables and stools, and among the special apparatus and instruments may be mentioned the planimeter, odontograph, slide rule, protractor, section liner, etc. A blue print room contains complete facilities for the details of the blue print process. One room is provided with photographic facilities, which will be used to prepare lantern slides and prints illustrating various branches of engineering.

PHYSICAL CULTURE ROOM.

A large room in the north wing of University Hall is set apart for the use of the department of physical culture, and has been furnished, as far as means were available, with the equipment necessary for systematic physical training.

THE ARMORY.

The armory is a large well lighted room, sixty by eighty feet, occupying the entire basement of the north wing of the University Hall. It is substantially fitted up with arm racks, compartments for equipments, and other conveniences. Two adjacent rooms are assigned to the military department, and are used as band room and store room.

The equipment of the department consists of three hundred Krag Jorgenson rifles, three hundred sets of infantry equipments, twenty seven cadet swords (West Point pattern), national colors, flags, signal equipments, ammunition, etc., and a superior set of band instruments.

The arms and infantry equipments are furnished the University by the national government. The other equipments have been purchased by the University, and belong to the Military Department.

THE MUSEUM.

A. H. Purdue, Curator.

The museum occupies a large portion of the fourth floor of University Hall. The material of the museum has been collected with the view of facilitating instruction in geology and biology, and also to make it of interest to the visiting public. That portion

of the collection suitable for display is arranged in glass cases, while the working collection is in drawers. Sloping-top cases with drawers beneath afford space for several thousand specimens.

Relief Maps. For illustration in geology and general interest to the public, there have been placed in the museum the following relief maps: Geological relief maps of the State of Arkansas, Colorado Canyon, Central Tennessee and the United States; a convex relief map of the United States on a section of a globe sixteen feet in diameter; a relief map of Carmel Bay, California; Lee Springs craters, Utah, Yosemite Valley; Palestine; Mount Vesuvius, the State of California, San Francisco Peninsula; and a sectional geological relief map of the Leadville region, Colorado.

The Mineral Collection. The mineral collection contains about three thousand specimens, representing the different mineral groups. Many of these specimens are displayed in cases.

The Petrographic Collection. This collection consists of a large number of specimens representing sedimentary, igneous, and metamorphic rock. Besides, there is a large collection of building and other stones from different parts of the country.

Paleontological. There is a large collection of invertebrate fossils in the museum, mainly representing the fauna of the different geological horizons in northern Arkansas.

The Minor Earth Collection. Major F. R. Earle has deposited in the museum his private collection of minerals and fossils. The collection was formerly in Cane Hill College.

The Zoological and Botanical Collection. This collection consists of two hundred birds and mammals, representing eighty species; two hundred reptiles and amphibians, representing forty species; fifteen hundred fishes, representing three hundred and fifty species; one thousand insects and other invertebrates, representing two hundred species; several skeletons.

Donations to the museum will be gratefully acknowledged, and the donors may be sure that anything of value sent to it will be carefully preserved and duly credited to the donor. Collections in the hands of private parties are likely to be soon scattered and destroyed through lack of care or improper handling. The museum is now prepared to receive collections on deposit, and to preserve and to display them under the owner's name until called for.

Though the museum is most important on account of its educational value, it at the same time serves an important purpose in representing the resources of this State.

ATHLETIC FIELD.

For the accommodation of the University football and baseball teams and spectators there is an excellent athletic field with a covered grandstand and bleachers. Since last year the baseball diamond has been rebuilt and greatly improved, the size of the athletic field has been almost doubled, and a first-class quarter-mile running track and football field are under construction. When the improvements now under way are completed the facilities afforded for outdoor exercises will be equal to those of any institution in the country.

ADMISSION TO THE COLLEGE

GENERAL CONDITIONS OF ADMISSION.

Candidates for admission are urged to be present on the opening day of the session. Admission at a later date is not refused, but it is attended with greater or less inconvenience.

Students on their arrival at Fayetteville should report promptly to the president. Needless delay in reporting or unsightly conduct may justify exclusion from the University.

Applicants should present certificates of honorable discharge from the institution last attended, or furnish other testimony of good moral character.

Entrance examination will be required of all students entering the University, except those who bring certificates from accredited preparatory schools or from reputable colleges or universities. For the time at which these examinations will be held, see page 49.

ADMISSION TO THE FRESHMAN CLASS.

The requirements for admission to the Freshman class consist partly of constants, or required subjects, and partly of electives. For unconditional admission to any Bachelor's course, or to the normal course, a student will be required to present for the year not more than twelve and one-half units. This requirement will be increased at the rate of one unit each year until the total requirement reaches fourteen units. Thus, in September, 1911, it will be thirteen and one-half units; in September, 1912, fourteen units. A student whose entrance credits do not fall short of the required amount by more than two units may be admitted and allowed to make up his deficiencies. Students entering the University with deficiencies are required to remove them within twelve months.

A UNIT DEFINED.

One unit is regarded as the equivalent of a preparatory course of five periods of forty-five minutes each weekly throughout the academic year of nine months. In service courses two laboratory periods are counted as the equivalent of one recitation period. Credits of less than one unit may be granted for courses that do not run full time.

The subjects in which units may be offered for entrance are divided into two groups, as follows:

Group A.

Latin, 4 units.

Greek, 3 units.

French, 3 units.

German, 3 units.

English, 3 units.

Group B.

Agriculture, 1 unit.

Algebra, 2 units.

Plane Geometry, 1 unit.

U. S. History, $\frac{1}{2}$ unit or 1 unit.

General History, $\frac{1}{2}$ unit or 1 unit.

Greek and Roman History, 1 unit.

Modern History, 1 unit.

English History, 1 unit.

Physical Geography, $\frac{1}{2}$ unit or 1 unit.

Physiology, $\frac{1}{2}$ unit or 1 unit.

Botany, 1 unit.

Zoölogy, 1 unit.

Physics, 1 unit.

Chemistry, 1 unit.

Manual Training, 1 unit.

Mechanical Drawing, 1 unit.

Civics, $\frac{1}{2}$ unit.

Pedagogy, $\frac{1}{2}$ unit.

Psychology, $\frac{1}{2}$ unit.

Below will be found a detailed statement of the requirements for admission to the different courses:

FOR THE ARTS AND NORMAL COURSES.

Required:

English, 3 units.

Algebra, 2 units.

Plane Geometry, 1 unit.

History, $1\frac{1}{2}$ units.

Elective, 2 units.

Candidates for the B. A. degree will be required to present three additional units from Group A, at least two of which must be in one language. Normal students may make up the required number of units from A or B, or both.

FOR THE AGRICULTURAL, SCIENTIFIC AND ENGINEERING COURSES.

Required:

English, 3 units.

Algebra, 2 units.

Plane Geometry, 1 unit.

U. S. History, $\frac{1}{2}$ unit.

Physics, 1 unit.

Required in addition five units selected from Group A or B, or from both.

ENTRANCE EXAMINATION SUBJECTS.

The following statement will indicate the amount of work in both required and elective subjects which a student may offer in making up his entrance credits, but has no reference to what work will be required if college credit is sought in these subjects.

English†.**A—For 1910-11-12.**

I. General Reading. From the list of books mentioned in this section the candidate must choose ten for general reading. He will be expected not to know these minutely, but to have freshly in mind their most important parts. He will, further, be required to write a paragraph or two on each of several topics drawn from them.

Group 1. (Two to be selected.)

Shakespeare's *A Y u Lier It*, *Henry Fifth*, *Julius Cæsar*, *The Merchant of Venice*, *Twelfth Night*.

Group 2. (One to be selected.)

Bacon's *Essays*, Bunyan's *Pilgrim's Progress*, Part I; Addison's *The No Rags de Cavalry Papers*, in *The Spectator*, Franklin's *Autobiography*.

Group 3. (One to be selected.)

Chaucer's *Prologue*, Spenser's *Faerie Queene* (selections in 1912, Book I), Pope's *Rape of the Lock*, Goldsmith's *The Deserted Village*, Palgrave's *Golden Treasury* (first series), Book II and III, with especial attention to Dryden, Collins, Gray, Cowper and Burns.

Group 4. (Two to be selected.)

Goldsmith's *The Vicar of Wakefield*, Scott's *Ivanhoe*, Scott's *Quentin Durward*, Hawthorne's *The House of Seven Gables*, Thackeray's *Henry Esmond*, Mrs Gaskell's *Cranford*, Dickens' *A Tale of Two Cities*, George Eliot's *Silas Marner*, Blackmore's *Lorna Doone*.

†In January, 1909, the University issued an "Entrance Requirements Number" of the University Bulletin, in which the requirements for admission to the Freshman Class are explained at much greater length than is possible in this catalogue. This does not apply to books required by the English Department for reading and study. A copy of this bulletin will be mailed on request.

SPECIAL ANNOUNCEMENT. No candidate will be admitted to the Freshman class in English who does not present official evidence that he has completed the English course of an accredited school, or who does not pass a written examination based upon the requirements mentioned in detail in this catalogue. Furthermore, no candidate will be admitted to this examination who does not certify that he has read all the works prescribed for reading, and studied carefully all the works prescribed for careful study. No substitutions will be allowed.

Group 5. (Two to be selected.)

Irving's *Sketch Book*, Lamb's *Essays of Elia*, De Quincey's *The English Mail Coach* and *Jean of Arc*, Carlyle's *Heroes and Hero-Worship*, Emerson's *Essays* (selected), Ruskin's *Sesame and Lilies*.

Group 6. (Two to be selected.)

Coleridge's *Ancient Mariner*, Scott's *The Lady of the Lake*, Byron's *Mazeppa* and *The Prisoner of Chillon*, Palgrave's *Golden Treasury* (first series), Book IV, with especial attention to Wordsworth, Keats and Shelley, Macaulay's *Lays of Ancient Rome*, Poe's *Poems*, Lowell's *The Vision of Sir Launfal*, Arnold's *Sohrab and Rustum*, Longfellow's *The Courtship of Miles Standish*, Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur* (in 1912, *The Princess*), Browning, *Selections*.

II. *Careful Study*—A certain number of books will be prescribed for careful study. This part of the examination will be upon the subject matter, literary form, and logical structure, and, in addition, the candidate may be required to answer questions involving the leading facts in those periods of English literary history to which the prescribed works belong. The books prescribed for this part of the examination in 1910-11-12 are:

Shakespeare's *Macbeth*, Milton's *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso* (or in 1912, Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*), Burke's *Speech on Conciliation with America*, or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; Macaulay's *Life of Johnson*, or Carlyle's *Essay on Burns*.

In connection with the reading and study of the prescribed books, parallel or subsidiary reading should be encouraged, and a considerable amount of English poetry should be committed to memory.

Though there is no formal examination in grammar or rhetoric, the ability to write good English will be considered of the utmost importance. Serious defectiveness in point of spelling, grammar, idiom, punctuation, clear and accurate expression, or division into paragraphs, will be taken as primary evidence of the candidate's unfitness. The candidate may present, as an additional evidence of preparation, an exercise book, properly certified by his instructor, containing compositions or other written work.

B—For 1913-14-15.

The examination for these years, as for 1910-11-2, will emphasize the two main objects of preparation in English:—(1) A command of clear and correct English, spoken and written. (2) An ability to read with accuracy, intelligence and appreciation. The only change will be in the lists of books for reading and study.

I. General Reading—Ten units are to be selected, two from each group:

Group 1.

The Old Testament Books—*Genesis, Exodus, Joshua, Judges, Samuel, Kings, Daniel, Ruth and Esther*; *The Odyssey* (Books I-V, XV-XVII may be omitted), *The Iliad* (Books XI, XIII-XV, XXI, may be omitted); *Virgil, Æneid*.

For any unit of this group a unit from any other group may be substituted.

Group 2.

Shakespeare's *MERCHANT OF VENICE*, *MIDSUMMER NIGHT'S DREAM*, *AS YOU LIKE IT*, *Twelfth Night*; *HENRY FIFTH*, *JULIUS CAESAR*.

Group 3.

Defoe's *ROBINSON CRUSOE* (Part I), Goldsmith's *VICAR OF WHITHFIELD*, Scott's *ROB ROY* or *QUEEN MARIAN*, Hawthorne's *HOUSE OF SEVEN GABLES*, Dickens' *DAVID COPPERFIELD* or *TALE OF TWO CITIES*, Thackeray's *HENRY EDMOND* or Mrs. Gaskell's *CRUISED*, George Eliot's *SILAS MARNER*, Stevenson's *TREASURE ISLAND*.

Group 4.

Bunyan's *PIGRIM'S PROGRESS* (Part I), *The De Coverley Papers*, Franklin's *AUTOBIOGRAPHY* (condensed), Irving's *Sketch Book*, Macaulay's *Essays on Lord Clive and Warren Hastings*, Thackeray's *English Humourists*, *Selections from Emerson*, including at least the two Inaugurals, the Speeches in Independence Hall and at Gettysburg, the Last Public Address, and Letter to Horace Greeley, a brief Memoir or Estimate, Parkman's *Oregon Trail*, Thoreau's *Walden*, or Huxley's *AUTOBIOGRAPHY*, and *Selections from Lay Sermons*, including the Addresses on Improving Natural Knowledge, A Liberal Education, and A Piece of Chalk, Stevenson's *Inland Voyage and Travels with a Donkey*.

Group 5.

Palgrave's *Golden Treasury* (First Series) Books II and III, with especial attention to Dryden, Collins, Gray, Cowper and Burns; Gray's *Elegy*, and Goldsmith's *Deserted Village*, Coleridge's *Ancient Mariner*, and Lowell's *The Vision of Sir Launfal*, Scott's *Lady of the Lake*, Byron's *Childe Harold, Canto IV*, and *Prisoner of Chillon*; Palgrave's *Golden Treasury* (First Series), Book IV, with especial attention to Wordsworth, Keats and Shelley; Poe's *Raven*, Longfellow's *Miles Standish*, and Whittier's *Snow-Bound*, Macaulay's *Lays of Ancient Rome*, and Arnold's *Sohrab and Rustum*, Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *Passing of Arthur*; Browning's *Cavalier Tunes*, *Lost Leader*, *How They Brought the Good News, Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Herve Riel*, *Phcidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*.

II. Careful Study.

Shakespeare's *Macbeth*, Milton's *L'Allegro*, *Il Penseroso*, and *Comus*, Burke's *Speech on Conciliation with America*, or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; Macaulay's *Life of Johnson*, or Carlyle's *Essay on Burns*.

Algebra.*Two Units.*

Through Milne's *Standard Algebra* or the equivalent.

Plane Geometry.*One Unit.*

All of plane geometry will be required for admission to the Freshman class. A note book containing the solution of at least one hundred and fifty original exercises should be submitted for examination.

United States History.*One-half Unit.*

The completion of any good high school history of the United States is sufficient.

General History.*One Unit.*

The University advises that the subject be divided into two years' work—the first year being devoted to ancient and the second year to modern history. For the present the completion of Meyers' *General History* or equivalent will be accepted.

Ancient History.*One Unit.*

Emphasize Greece and Rome. The completion of one of the late text-books on the subject. Five recitations a week for one year.

Modern History.*One Unit.*

The completion of one of the late high school text books on the period. Elective. Five recitations a week for one year.

English History.*One Unit.*

The completion of a good high school text on the subject. Five recitations a week for one year.

Latin.*Three Units.*

The minimum requirements in Latin are the reading of four books of Caesar and of four orations of Cicero, or the equivalent in other prose; a thorough knowledge of the forms and of the fundamental constructions of verb and noun; and the ability to translate into idiomatic Latin such sentences as those found in Bennett's Latin Writer. Students offering Virgil should have had four years of competent instruction in Latin, and should have read not less than six books of the *Aeneid*. For this a credit of one additional unit will be allowed.

Greek.*Three Units.*

The requirements can be met by not less than three years of competent instruction in the preparatory school. The ground covered should be the same as that in Greek 1 and 2 (see page 92 of this catalogue), or an equivalent.

Elementary German.*Two Units.*

The examination will be suited to the proficiency of those who have had two years of German in a preparatory school, or the equivalent of German 1 (see page 98 of this catalogue), and will test (1) the candidate's knowledge of the rudiments of German grammar; (2) the ability to read easy prose at sight, and (3) to translate simple English sentences into German. The candidate should have read two hundred pages of easy prose.

Advanced German.*One Unit.*

The examination will be suited to the proficiency of those who have had at least three years of German in a preparatory

school, or the equivalent of German 2 (see page 99 of this catalogue), and will test the candidate's ability to read (a) modern German prose and poetry at sight, and (b) to translate easy English narrative into German. The candidate should have read three hundred and seventy pages of the works of Rühl, Heys, Freytag, Baumhoff, Heine, and thirty pages of lyrics and ballads.

Elementary French.

Two Units.

The examinations will be suited to the proficiency of those who have had two years of French in a preparatory school, or the equivalent of French 1 (see page 100 of this catalogue), and will include (a) the translation at sight of ordinary nineteenth century prose; (b) the translation from English into French of sentences to test the candidate's familiarity with elementary grammar. The candidate should have read three hundred pages of simple prose.

Advanced French.

One Unit.

The examination will be suited to the proficiency of those who have had at least three years of French in a preparatory school, or the equivalent of French 2 (see page 100 of this catalogue), and will test the candidate's ability (a) to translate standard French prose and poetry at sight, and (b) to turn easy English prose into French. The candidate should have read six hundred pages in the works of such authors as Daudet, Loti, Sandeau, Corneille, Racine, and Molière.

Chemistry.

One Unit.

Remsen's Chemistry (Elementary Course), Freer's Elements of Chemistry, or Hessler & Smith's Essentials of Chemistry, or an equivalent. A laboratory note-book covering two hours of laboratory work per week for one year must be presented for examination.

Physics.

One Unit.

Gage's Elements of Physics, Appleton's School Physics, or Hall & Bergen's Physics, or an equivalent; sufficient apparatus for the teacher to perform all the experiments. A laboratory note-book covering two hours of laboratory work per week for one year must be presented for examination.

Physiology.*One-half Unit.*

Martin's Human Body, or an equivalent.

Botany.*One Unit.*

Gray's Lessons in Botany and Vegetable Physiology, or an equivalent. A laboratory notebook covering two hours of laboratory work for one year must be presented for examination.

Zoology.*One Unit.*

Packer's Zoology, Elementary course, and Boyer's Laboratory course, or an equivalent. A laboratory notebook covering two hours of laboratory work for one year must be presented for examination.

Manual Training and Mechanical Drawing. *One Unit Each.*

Credits in manual training and mechanical drawing will be accepted.

Psychology and Pedagogy.*One Unit.*

Text suggested: Dinsmore's Teaching a District School, or Kern's Among Country Schools.

Agriculture.*One Unit.*

One year's work consisting of five forty-five minute periods weekly will earn one unit credit. A detailed statement from the farm or instructor of the student must be presented, giving a description of the work done. F. B. Veorhies' First Principles of Agriculture is recommended as a text.

ORDER OF EXAMINATIONS FOR ADMISSION IN 1910.

Wednesday, September 14—9 a. m., registration of students, 1 to 3 p. m., Geometry.

Thursday, September 15—1 to 4 p. m., Algebra.

Friday, September 16—1 to 4 p. m., Latin.

Saturday, September 17—9 a. m. to 12 m., English Composition and Literature, 1 to 2:30 p. m., United States History, 2:30 to 4:00 p. m., General History.

The order of examinations in other subjects will be announced at the opening of the University.

EXAMINATIONS AT PLACES OTHER THAN FAYETTEVILLE.

Students living at a distance from the University may obtain special examinations near their homes, if applied for in due

time before the beginning of each session. The questions will be sent on application to the principal of any school, or to any county examiner. The questions must be submitted by the principal or county examiner to the candidate under the usual restrictions of a written examination, and the questions and answers must be returned by the same officer to the University with his endorsement that the examination was properly conducted.

ADMISSION BY CERTIFICATE.

The graduates of accredited schools are admitted to the Freshman class in the University without examination, provided, in all cases, certificates from the principal of the school attended be presented, containing specific statements of the kind and extent of work done in the studies in which credits are desired. Blank forms for such certificates will be furnished by the University. *Diplomas of graduation will not be accepted in lieu of certificates.* Students from schools regularly accredited to other reputable colleges and universities will be admitted to the Freshman class without examination, *provided*, they present evidence that such schools are duly accredited and that they have completed the work required for admission to the Freshman class of this University in the courses which they desire to take.

A student who presents a certificate of scholarship from a high school, academy, or college not on the list of accredited schools, is required to take such examinations as may be prescribed. The result of such examinations, together with the certificates, will be passed on and proper credit allowed by the professors of the departments which such student proposes to enter.

ADMISSION TO ADVANCED STANDING.

Candidates for admission to classes in advance of the Freshman will be required to pass satisfactory examinations in the subject previously pursued by the class which they propose to enter. But such candidates coming from colleges or universities of good standing, may, on the presentation of the proper certificates as to the studies pursued, be admitted provisionally to such standing and upon such terms as the faculty may deem equitable in such cases.

ACCREDITED SCHOOLS SYSTEM.

A school desiring to be placed on the accredited list of the University should apply to the chairman of the accredited school committee. In response to the application, a blank form, inquiring into the course of study, teaching force and equipments of the school, will be sent to the principal. This blank should be carefully filled out, giving accurately and in detail the information required, and returned to the accredited school committee. If the statement is satisfactory the school may be requested to submit specimen examination papers in all subjects of the two highest grades. Outline maps should accompany history papers; composition exercises should be included among all language papers; and students' note books should accompany science papers. The high school authorities should grade these papers before sending them out. After the University has looked over them, it will probably send a representative to make a personal inspection of the school, and upon his favorable report will place the school upon the accredited list.

CLASSES OF SCHOOLS.

The accredited school list is made up of three groups of schools. Group A includes all high schools satisfactorily preparing students in a minimum of fourteen units. Group B, all schools preparing students in a minimum of eleven units; and Group C, all schools preparing students satisfactorily in a minimum of eight units. A unit represents approximately the amount of work done in one subject in thirty-six weeks with the equivalent of five recitations per week with a minimum period of forty minutes. When the term is less than nine months or the recitation periods shorter than forty minutes, a correspondingly longer time than one year in a subject will be necessary to complete a unit. In classifying schools into groups the number of units will not be the sole consideration; on the contrary, teaching force, equipments, number of high school students and the common school course upon which the high school is based will be taken into account. Teaching force is quite as important a factor as number of units. In other words, the physical condition making efficient high school work possible must exist before a school is accredited. The University looks with disfavour

upon schools with pretentious courses of study where the equipments and teaching force are inadequate.

In general, schools of Group A should have at least three teachers devoting their entire time to high school work, schools of Group B, a minimum of one and one-half teachers, and schools of Group C, not less than one teacher. It will usually be found that Group A is made up of schools offering a full high school course of four years, Group B of schools with three years of high school work, and Group C of schools with a high school course of two years. This grouping rests upon natural and fundamental conditions underlying the growth of high schools. It does not reflect upon any high school to be classed B or C. The classification rests upon the amount of work that the school is able to do well and not upon relative efficiency. Schools of Group C are presumed to teach the eight or more units offered by them as well as the schools of Group A teach the same subjects. What group a school falls into is determined largely by physical conditions, such as teaching force, equipments, number of pupils and financial support.

It should be remembered that graduates from schools of Group C can not enter the Freshman class of the University for the year 1910-11 and thereafter. They can enter the Sub-freshman class. In June, 1911, the Sub-freshman class is to be abolished and after that time two courses are open to the graduates of schools of Group C who may want to come to the University. They can enter the third year of some neighboring high school and complete the course there, or by private study they may prepare to stand the entrance examinations on enough work to enter the Freshman class. Moreover, graduates of Group B will not satisfy all entrance requirements, as the University will require twelve and one half units for entrance in 1910, thirteen and one half units the following year, and in September, 1912, fourteen units. Graduates of such schools will enter with conditions, that is, with two or three units back. A student will be allowed to make up this deficiency after entering the University. Prospective University students in high schools should take notice that the policy of the University is to discourage their coming to the University until they have graduated from the high school. The University proposes to encourage in every possible way the growth of secondary schools.

There is a close relationship between the course of study and the teaching force. In general, a high school teacher should not meet more than six classes a day. Moreover, the high school must be based upon a common school course of at least seven grades. Schools are therefore advised not to attempt more than the teaching force will permit. Schools seeking credit for sciences should provide laboratories for experimental work and should require the pupils to prepare note books. In the matter of science, the school should develop the work as the resources of the community will permit. Schools in Group C should not attempt work in science at all; it is extremely doubtful whether schools in Group B should offer any science courses. Schools in Group A should build up a laboratory for one science at a time, and add courses as the teaching force and laboratory equipments will allow. It is far better to offer a thorough course in one science than to cover superficially several courses.

The University offers a wide list of electives from which a student may select in making up his entrance requirements. In offering such a list the University does not expect that many schools will attempt to offer instruction in all the subjects enumerated. The list is designed to extend liberty to the student seeking admission and to school authorities in adjusting their courses of study to local needs. Schools in preparing their courses of study are not asked to sacrifice the interests of the locality merely to prepare students for the University. The school's duty to its local constituency is paramount. The high schools that best serve their constituents are the class of schools that the University wishes to foster. Let the high schools work out courses of study best adapted to local needs and the University will adjust its work to them. The University will be glad to send a man to inspect any school desiring it. Correspondence is solicited. Address the chairman of the accredited school committee, Fayetteville, or B. W. Torreyson, Professor of Secondary Education, Little Rock.

LIST OF ACCREDITED SCHOOLS.

Below is given the accredited school list, arranged by groups. Graduates of Group C in 1910 may enter the Sub-freshman class with probably some Freshman work.

Class A.		NUMBER
NAME OF SCHOOL.	PRINCIPAL.	OF UNITS.
Arkansas Cumberland College....	C. D. Crawford.....	
Arkadelphia High School.....	B. F. Condray.....	14
Booneville High School.....	J. S. Cheek.....	20
Clarendon High School.....	J. McCullough	14
Crossett High School.....	D. C. Hastings.....	14
El Dorado High School.....	T. C. Abbott.....	17
Fordyce Training School.....	C. E. Condray	16
Fort Smith High School.....	H. C. Morrison	28
Hope High School.....	W. J. Hammond.....	18
Hot Springs High School.....	F. W. Miller.....	23
Jefferson High School, Helena..	S. H. Spragins.....	19
Jonesboro High School.....	D. T. Rogers	14
Little Rock High School.....	Wallace Townsend	28
Logan Co. High School, Guthrie, Okla.	W. S. Calvert.....	
McAlester, Okla., High School..	B. H. Locke.....	
Magnolia High School.....	J. P. Womack.....	18
Monticello High School.....	J. L. Spence.....	18
Paragould High School.....	H. R. Partlow.....	14
Paris, Tex., High School.....	J. P. Downer.....	23
Pine Bluff High School.....	Junius Jordan	23
Rogers Academy		16
Russellville High School.....	W. A. Crawford	14
Presbyterian Training School, Warren	D. L. Pasley	25
Searcy High School.....	Garland May	16
Siloam Springs High School.....	Denton R. Wood.....	15
Stuttgart Training School.....	C. Orear	
Tulsa, Okla., High School.....	J. G. Masters.....	
Van Buren High School.....	Miss Sue Burney.....	18
Warren High School.....	J. A. Presson.....	17
Western Military Academy, Alton, Ill.	A. M. Jackson	

Class B.

NAME OF SCHOOL.	PRINCIPAL.	NUMBER OF UNITS.
Amity High School.....	S. M. Samson.....	12½
Bellefonte	J. C. Eaton	11½
Benton	W. F. Wilson.....	12
Camden	Asa M. McCain.....	13
Carlisle	John J. Janes.....	11
Choctaw	W. E. Halbrook.....	13
Clarksville	J. W. Sallis	11
Conway	S. S. Waters.....	11
Fayetteville	F. S. Root.....	13
Hamburg	F. W. Whitesides.....	12
Harrison	S. J. T. Wynne.....	12
Lonoke	O. E. Williams.....	11½
Mena	W. T. Adams	12½
Mountain Home Academy.....	B. A. Spradlin.....	12
Onachina Bentonville Academy	E. E. Bagwell.....	11
Portland	John R. Anders, Jr.....	12
Rogers	A. B. Mayberry.....	11
Stuttgart	J. P. Murphy.....	12
Tom Allen High School, Prescott, O. L. Dunaway.....		11
Wynne	H. A. Woodward.....	12

Class C.

NAME OF SCHOOL.	PRINCIPAL.	NUMBER OF UNITS.
Argenta High School.....	E. B. Gardner.....	9
Ashdown High School.....	J. L. McAdams.....	9
Batesville High School.....	Sidney Pickens	9
Bentonville	W. D. Jeter	8½
Blytheville	Edgar Williams	8
Brinkley	David Bowen	9
Cabot	H. W. Roberts	9
Corning	G. C. Woodson	10
Dardanelle	C. R. Ward	10
De Queen	G. A. Sullards.....	9
Dermott	U. C. Barnett.....	9
England	T. E. Guerin.....	9
Eureka Springs	C. S. Barnett	10½
Evening Shade	D. L. Ford	8
Forrest City	L. P. Anderson.....	10½

NAME OF SCHOOL.	PRINCIPAL.	NUMBER OF UNITS.
Gravette	W. A. Hunt	8
Gurdon	N. M. Whaley	8
Harrisburg	W. E. Darby	10
Havana	M. Sullivant	8
Hesperian High School, Lockes- burg	L. E. Quinn	10
Louisville	I. Potter	10
Marianna	J. H. Andrews	10
Morrilton	W. E. Simpson	10
Nashville	R. H. Kolb	8
Newport	W. L. Wallace	10
Oceola	I. J. Lewis	9
Ozark	W. S. Williams	9
Paris	G. S. Minnier	10½
Peggott	F. Weldin	8
Plummerville	C. L. Moore	10
Pocahontas	J. W. Campbell	8
Prairie Grove	W. C. Murphy	9
Rector	Mack Berry	8
Stamps	J. F. Bright	9
Waldron	C. Henderson	9

DEPARTMENT OF SECONDARY EDUCATION.

The General Education Board has supplied funds for the creation of a Department of Secondary Education. The principal duties of the head of this department are to ascertain where the conditions are favorable for the establishment of public high schools not now in existence; to visit such places and endeavor to organize public high schools in accordance with the laws of the State, to endeavor to create in these communities a public sentiment that shall permanently sustain such high schools and to endeavor to place the high schools under such local leadership as will give them intelligent and wise direction. After the organization of the high schools, this official and the State University are expected to exercise a fostering care over such institutions.

MISCELLANEOUS INFORMATION

SELECTION OF COURSES OF STUDY.

Students are allowed all reasonable freedom in choosing their courses of study. But they are required to pursue their studies in the order prescribed, and, when candidates for a degree, to complete, as a condition of graduation, all the subjects in the course leading to such degree. Changes in the course of study selected are discouraged, but for sufficient reasons are allowed if made within three weeks after admission; subsequently no such change can be made during the session except by the express permission of the faculty.

NUMBER OF RECITATIONS.

All students are required to take not less than twelve nor more than eighteen recitations or their equivalent per week, exclusive of military science and tactics. It is assumed that each hour of recitation involves approximately two hours of preparation, and each two hours of laboratory one hour of preparation on the part of the average student. Therefore, in general, two hours of laboratory work are counted as the equivalent of one hour of recitation, but in cases where laboratory work done under the supervision of an instructor does not require outside preparation, three hours shall be the equivalent of the unit of credit.

CLASSIFICATION OF STUDENTS.

The satisfactory completion of the work of a class as attested by daily recitations and examinations is the condition of enrollment in a higher class. Some margin, however, is allowed for making up studies or arrears. But more than seven hours per week required for such studies or more than seven hours per week omitted from the studies of a given class prevent enrollment therein. No student who has more than six hours per week of unfinished preparatory work can be classified as a Freshman.

SPECIAL STUDENTS.

1. Students are advised to pursue in all cases in which it is practicable, some one of the regular courses leading to a degree. The number of these courses and the liberal provisions for electives allow sufficient play for individual preference in the selection of subjects required for a liberal and well-rounded education.

2. Students who are not candidates for a degree, but who have completed all the studies below the Freshman class, may elect a special course of study under the supervision of the classification committee and with the approval of the professors in charge of the subjects chosen.

3. Persons not under twenty-one years of age may elect a special course of study under the direction of the faculty, provided they show by examination or otherwise that they are qualified to pursue profitably the studies which they propose to take up.

4. Students in special courses are subject to the same regulations and to the same examinations in the studies pursued as all other undergraduate students.

MID-YEAR AND FINAL EXAMINATIONS.

1. Examinations, chiefly in writing, are held near the end of each term. The grades are determined by combining the values of the daily recitations and of the examinations, and are divided into four groups, as follows: Excellent (E); Good (G); Fair (F); Poor (P). A grade not lower than F is required for a "pass," which is the equivalent of about 75 per cent. At the end of each term a report is made to the parent or guardian of each student, showing his progress, general conduct, etc.

2. If a student has failed in any study, he may nevertheless be allowed to take up the next study in advance, provided he be deemed by the professor in charge of the department to which the study belongs not incompetent to pursue it; but he will be required to pass a satisfactory examination in the study in which he failed, or take up with the next class.

3. If a student has proved competent to continue his advanced work, but has not completed all the preceding studies in his course, he must resume the latter, and if he be found to be over-worked, he will be required to drop a part of his advanced work.

4. Students who at the end of any term have not passed on as much as seven hours' work, are, in the absence of extenuating circumstances, dropped from the rolls of the University. For the enforcement of this rule the Committee on Doubtful Cases is responsible.

MONTHLY TESTS.

It is the duty of the heads of departments to require monthly tests in all classes where a majority of the students are Freshmen or Sophomores. It is also their duty to have each student whom these tests show to be delinquent interviewed with respect to his work, and to report the name of such student to the Committee on Doubtful Cases.

APPOINTMENT OF BENEFICIARIES.

Beneficiary appointments entitle the holders to free tuition. Such an appointment may be obtained from the county judge of the county in which the student resides, or from the president on arrival at the University. The total number of beneficiaries allowed to the state is one thousand.

EXPENSES.

It is the object of the University to give the best possible education at the lowest possible cost. Tuition is free to all students. A matriculation fee of ten dollars is charged all candidates for admission. The following estimates are based upon the actual expenses of students during recent sessions:

Clothes, including uniform. . .	\$ 20 00	\$ 40 00	\$ 65 00
Board, laundry, etc.....	112 00	120 00	135 00
Books, instruments, etc.....	10 00	15 00	20 00
Incidentals	15 00	30 00	35 00
Matriculation fee	10 00	10 00	10 00
	\$167 00	\$215 00	\$265 00

Each student occupying a room in one of the dormitories is charged a fee of five dollars per year. To have a room reserved, this fee must be paid not later than September 1.

Fees are payable in advance. Board bills are payable monthly in advance. A diploma fee of five dollars is charged all graduates. All dues are to be paid or satisfactorily adjusted before diplomas are conferred.

STUDENT LABOR.

A large part of the student body work during vacant hours to meet part of their expenses.

The general assembly has established a student labor fund, which provides work for deserving young men and women who need help to meet their college expenses. Considerable manual and clerical labor is necessary to carry on the various departments of the University, and students who desire to work are employed when practicable and paid at the rate of ten cents per hour. The requests for work always exceed the amount of money appropriated, and the University makes no promises to furnish employment for wages to all who apply.

BOARD FOR YOUNG MEN.

A fee of five dollars is charged each occupant of a room in the University dormitories. Students leaving the University frequently sell their furniture at a small reduction. If there are not rooms enough for all, preference is given to Arkansas students. An officer of the University is in charge of the building, and the rooms are inspected by the faculty whenever it is deemed necessary.

Students boarding elsewhere are under the supervision of the president of the University, and are allowed to board only at places approved by him. No student is allowed to change his boarding place without the consent of the president.

BOARD FOR YOUNG WOMEN.

Young women who, for any reason are unable to room and board at the dormitory, may secure rooms in private families in the town. A list of approved boarding houses has been arranged by the Dean of Women, Miss Jobelle Holcombe, Ella Carnall Hall, and all young women desiring board in town should consult her before securing homes. All young women in the University are under the general supervision of the Dean of Women and are subject to the following regulations:

1. Young ladies and young gentlemen are not allowed to board at the same place.

NOTE—The reception committee of the Y. M. C. A. will endeavor to meet all trains and assist the incoming students in finding eligible boarding places.

2. Young ladies are not allowed to change their boarding places without permission from the Dean of Women.

3. Callers may be entertained only on Friday and Saturday evenings and on Sunday evening when a young man desires to accompany a young lady to church.

4. Callers are expected to leave at 10 o'clock p. m.

5. Young ladies may go out only on Friday and Saturday evenings. This regulation may be suspended for lectures and other high class entertainments.

STUDENT ENTERTAINMENTS.

Students are not allowed to give entertainments of a social nature except on Friday and Saturday evenings. All such entertainments must close not later than 11 p. m.

ABSENCES AND WITHDRAWALS.

Absences from the University during the session are not permitted except for valid reasons. The right of a parent to withdraw his son or daughter at any time, without reason assigned, is recognized, but without such withdrawals the student can not be relieved of the obligation to attend the University courses. The normal absence rate during the session is exceedingly disadvantageous both to the student and to the University. While, therefore, the president permits the parents to withdraw promptly if urgent necessity seem to make them avoidable, it is held to be a duty to inquire into the reasons for which the permission is solicited.

Parents or guardians who wish to withdraw their children or wards from the University should write to the president stating their wishes. No financial discharge will be given to a student under age who is unable to produce the written application of his parent or guardian for his withdrawal nor will an honorable discharge be given to a student under censure of any kind, whether for neglect of duty or other cause, even though he may have the consent of his parent or guardian to his withdrawal from the University.

SALE OF ARDENT SPIRITS PROHIBITED.

By an act of the general assembly of the State of Arkansas, it is unlawful for any person to sell or give away any vinous or ardent spirits within five miles of the University of Arkansas, unless they are prescribed by a regular practicing physician for medical purposes.

PUBLIC APPEARANCE.

Public appearance consists in representing the University in dramatic or musical exercises, in intercollegiate debates, in oratorical or athletic contests, in positions of responsibility in student enterprises of a public nature, as delegates from student organizations, or at commencement or other important occasions.

1. Only a regularly matriculated student carrying not fewer than twelve hours is eligible for public appearance.

2. No student is eligible for public appearance who is found to be delinquent in his studies.

3. No person is admitted to any intercollegiate athletic contest who receives any gift, remuneration or pay for his services on the college team.

4. Each candidate for public appearance is required to subscribe to and file with the chairman of the committee on public appearance in advance a written statement that he is eligible under the letter and spirit of these rules.

5. All officers elected by student organizations to represent the University in a public capacity are subject to the approval of the Committee on Public Appearance.

6. The right to wear the "Varsity A" is subject to the approval of the Committee on Public Appearance.

7. No person having represented the University in any form of public appearance during any year and having been in attendance less than one college half year is eligible for public appearance thereafter until he has been in attendance six consecutive calendar months.

SECRET SOCIETIES.

The following rules for the regulation of secret societies have been adopted by the faculty:

1. No student shall be initiated in any secret student organization, whether it be a Greek letter fraternity, sorority, or other secret society, until he shall have been officially informed by the recorder of grades that he has completed all the work preparatory to admission into the Freshman class of the University and has completed the equivalent of not less than fifteen hours of collegiate work for one term, and provided, that students who are taking special courses, short courses, or who may be candidates for the L. I. certificate may be initiated if they are entitled to entrance and collegiate credits equal to the above requirements.

2. Any Greek letter fraternity or other secret organization that shall pledge for membership or initiate any student until he has complied with the aforesaid conditions shall thereby forfeit its right to exist and shall no longer exist in the University of Arkansas.

3. If any fraternity shall permit its members to drink wine, whisky, beer or other intoxicants in its chapter house or meeting place, or allow such liquors to be kept or stored there, or shall permit any gambling or other violation of law therein or shall keep a disorderly house or place, such fraternity shall be cited for trial before the faculty, and upon proof being adduced establishing any of the above mentioned offenses, such fraternity shall not be allowed to exist longer under its own name or under any other form or name in the University of Arkansas.

UNIVERSITY ORGANIZATIONS

YOUNG MEN'S CHRISTIAN ASSOCIATION.

B. W. DICKSON, A. B., General Secretary.

OBJECT—The Young Men's Christian Association stands for the development of the man, physically, mentally and spiritually. Its object is to lead students to become disciples of Jesus Christ as their Divine Lord and Savior, to lead them to join the church, to promote growth in Christian faith and character and to enlist them in Christian service.

Its mission is to befriend and help those who need friends and help; to apply to practical college life the principles of Christian faith; to stimulate men to develop a well-proportioned, all-round manhood; to train men for intelligent, aggressive Christian work; to bring to bear upon the University life a vigorous and healthful influence—in short to prepare an army of men to go out from the institution to become religious leaders in their communities, as they will there become the business, social and intellectual leaders.

WORK—The Association has for its special work the carrying on of Bible study and mission study in small groups led by students who have had special training in normal classes.

Religious meetings are held each Sunday afternoon in the Association Hall, at 2:30. At these meetings addresses are given on such subjects as the following: The Principles that Should Guide a Man in the Choice of a Life Work; The Ministry; The Association Secretaryship; Mission Work, both Home and Foreign; Christian Stewardship; Higher Ideals of Life; Personal Purity; General Religious Topics.

Special evangelistic meetings are held at least once a year. Other religious work is carried on by the weekly prayer meetings on Wednesday night from 6:30 to 7:00 in the Association rooms, and on Friday nights in the Dormitory parlors. Personal work is also encouraged among the Christian men.

BIBLE STUDY—Special emphasis is placed on the study of the Bible. Group classes of from five to ten men are organized among the students in boarding houses and dormitories under the direction of chosen leaders.

The Bible course study is divided into four parts corresponding to University years. The classes meet once a week and under the direction of their leader they discuss the points that have been studied during the week. The objects of these courses are the devotional, practical and daily study of the Bible.

The courses for 1910-11 are as follows:

Freshman Course—The Life and Work of Jesus according to St. Mark, by W. D. Murray—Studies in the Life of St. Paul, by A. J. Leacock; and Studies in the Life of Jesus Christ, by E. J. Bosworth.

Sophomore Course—Life of Christ, with Harmony of the Gospels, by Sharmon and Burton.

Junior Course—Acts and Epistles, Records and Letters of the Apostolic Age, by Bosworth and Burton.

Senior Course—Studies in Old Testament Characters, by W. W. White.

Other courses will be added from time to time. As a help to these courses, the following books are recommended as references and parallel reading:

Schurer's "History of the Jews in the Time of Christ," five volumes.

Mathew's "History of New Testament Times in Palestine"

"Studies in Oriental Social Life," by Trumbull.

"Sketches of Jewish Social Life," by Edersheim.

"Historical Geography of the Holy Land," by George Adam Smith.

"Life and Times of Jesus, the Messiah," by Edersheim.

"The Student's Life of Christ," by Gilbert.

"Life of Christ," by Stalker.

MISSION STUDY—The mission study department offers four courses of study for 1910-1911, as follows:

Freshman Course—"Aliens or Americans?" by Howard B. Gorse.

Sophomore Course—"A Handbook of Comparative Religion," by S. H. Kellogg.

Junior Course—"Dawn on the Hills of Tang," by Dr. Harlem P. Beach.

Senior Course—"Islam: A Challenge to Faith," by Dr. S. M. Zwemer.

As parallel readings, the following are recommended:

"The Evangelization of the World in This Generation," by John R. Mott.

"Social Evils in Non-Christian Lands," by Dennis.

"Effective Workers in Needy Fields."

"Call of the Homeland."

"Japan and Its Regeneration," by Otis Cary.

"McKay of Uganda," by J. W. Harrison.

STUDENT VOLUNTEER MOVEMENT—Another branch of the Missionary Department is the Student Volunteer Movement for Foreign Missions. This movement was organized in 1886 at Mt. Hermon, Mass. Its fourfold mission is (1) to lead students to a thorough consideration of the claims of foreign missions upon them as a life work; (2) to foster the purpose of all students who decide to become foreign missionaries, by helping to guide and stimulate them in mission study, and in work for missions until they pass under the immediate direction of the foreign boards; (3) to unite all volunteers in an organized, aggressive movement; (4) to create and maintain an intelligent, sympathetic, active interest in foreign missions among students who are to remain at home, in order that they may back up this great enterprise by their prayers, their efforts, and their gifts. The movement holds an international convention every four years.

The Volunteer Band of the University was organized March 28, 1906, with six members. At present there are fourteen members.

To those interested in missions, the following books and pamphlets are suggested:

"Home Ties."

"Supreme Decision."

"What Constitutes a Missionary Call."

"A Missionary Appeal to Students."

"The Pastor and Modern Missions."

"Heroes of the Mission Field."

"The Price of Africa."

"Princely Men of the Heavenly Kingdom."

MEMBERSHIP—Membership in the Association is of three kinds: Active, associate, and sustaining. Any man, either student or professor who is a member of an evangelical church, or accepts Jesus Christ as He is offered in the Scriptures as his Lord and Saviour, and approves the objects of the Association, may become an active member.

Any man, either student, member of faculty, or instructor in the University, of good moral character, may become an associate member.

Any man desiring to aid in the support of the Association may become a sustaining member by contributing as much as \$5.00 to the work of the Association.

The annual dues for active and associate members are \$1.00.

EQUIPMENT—The equipment of the Y. M. C. A. consists of a suite of five rooms, composed of a lobby, an auditorium, and three small rooms for Bible and mission study. These are well furnished, lighted, heated, and supplied with the leading magazines and papers.

BUREAU OF INFORMATION—The Association conducts a bureau of information, and will always be glad to help any student desiring assistance. A reception committee meets all trains at the opening of school and assists the students in securing good boarding places. All correspondence during the summer in regard to the Association should be directed to the General Secretary.

SOCIAL—On the first Monday night after the opening of the University, a reception, which is commonly called "College Night," is held for the men, where leading men speak on different phases of University life, and the young men learn the University songs and yells. A general good time with wholesome fellowship is enjoyed.

Also during the year receptions are given. Two joint receptions of the Y. M. C. A. and Y. W. C. A. and one or two "stag" receptions are given.

The individual Bible classes will be entertained at various intervals during the year.

INDORSEMENT—The trustees and faculty of the University heartily recommend the work of the Association, and it is earnestly desired that every parent or guardian see to it that the student under his care be encouraged to join the Association as soon as he reaches the University.

YOUNG WOMEN'S CHRISTIAN ASSOCIATION.

The Young Women's Christian Association, founded September 20, 1904, is composed of young women seeking to develop their Christian character, and to win others to Christ. Prayer meetings are held Saturday evenings, and the regular religious services Sunday afternoon. During the past year the membership of the Association has been about one hundred and twenty, with nearly one hundred enrolled in Bible study and sixty-five in mission study. The Association gives several entertainments during the year, endeavoring through these to arouse a spirit of friendship among all the young women. The members of the Association will gladly assist in any way young women just entering the University.

LITERARY SOCIETIES.

There are six literary societies: The Mathetian, founded in 1873; the Garland, founded in 1886; the Periclean, founded in 1901; the Sapphic, founded in 1906; the Lee, founded in 1906; the Demosthenean, founded in 1907. The Mathetian society is composed of collegiate students of both sexes; the Garland, Periclean, Lee and Demosthenean societies, of male collegiate and preparatory students; the Sapphic, of female collegiate and preparatory students. The weekly meetings of the six societies afford excellent opportunities for improvement in composition, declamation, debate, etc.

ELECTRICAL ENGINEERING SOCIETY.

The University of Arkansas Branch of the "American Institute of Electrical Engineers," which was established at the University in 1904, holds regular meetings on the first and third Tuesdays of each month.

Original papers are read, and advance copies of papers to be presented at the Institute meetings in New York are read and discussed. All students interested in electrical science are eligible to membership.

MECHANICAL ENGINEERING SOCIETY.

The University of Arkansas Student Section of the "American Society of Mechanical Engineers," was organized in 1909, and

holds regular meetings on the second and fourth Mondays of each month. Original papers and selections from the *Society Transactions* are read and discussed, and the late discoveries in the research world are commented upon.

Any student pursuing an engineering course is eligible to membership.

ENGLISH CLUB.

The English Club, founded February 9, 1906, consists of University teachers and advanced students of English. This society is now making a special study of spoken English. Papers relating to the different phases of English Philology are read at the meetings, which occur every other Thursday.

CERCLE FRANCAIS.

The Cercle Francais was founded by Professor Antonio Marinoni in 1905. Its object is to encourage the use of spoken French and promote the study of French life and literature. Meetings are held fortnightly in private houses.

PRIZES

THE WILLIAM JENNINGS BRYAN PRIZE.

A prize fund of \$250 has been bestowed upon the University through the liberality of Hon. W. J. Bryan, of Nebraska, and a prize named in his honor and consisting of the annual income of this fund will be offered each year, provided that productions worthy of its bestowal are presented.

The prize will be awarded for the best essay on some topic relating to the problems of government, and the subjects for competition will be selected in the alternate years by the department of economics and sociology, and the department of history. The contest will be open to students who have junior or senior standing, more than half of whose work has been of the Grade G, and to special students in the collegiate department who have thirty two hours' credit of a similar grade.

The subject for the year 1910-11 will be announced in September, 1910. Further details of the plans of competition may be obtained from the professor of economics and sociology. The competitive essay must be submitted by the first of May, 1911.

THE JOHNSON PRIZE.

Professor W. S. Johnson offers a valuable loving cup to be competed for in an oratorical contest open to the members of the literary societies.

BROUGH DEBATING MEDAL.

Professor Charles Hillman Brough, of the department of economics and sociology, offers a medal of the value of \$20, or \$20 in money, as a prize for excellence in debate, to be contested for by two representatives from each of the literary societies of the University. Two debates are held during the session; one a formal, in which the speeches are prepared, and valued at sixty per cent; the other, an informal, in which the speeches are *impromptu*, and valued at forty per cent. These debates are designed to train students of the University in the art of forensic speaking, and to promote a friendly rivalry among the literary societies.

PRIZE IN THE PERICLEAN SOCIETY.

Miss Naomi Josephine Williams, instructor in the preparatory school, offers a prize for the best oration written and delivered by a member of the Periclean Society.

THE WINGO MEDAL.

Hon. Otis T. Wingo, of De Queen, Arkansas, a member of the State Senate, offers a medal of the value of ten dollars for the best declamation. All male students are eligible to compete for this medal.

THE TILLMAN MEDAL.

President John N. Tillman offers a gold medal for the best essay by any member of the Sapphic Society.

THE A. B. BANKS INSURANCE PRIZE.

Mr. A. B. Banks, President of the A. B. Banks Insurance Company, of Fordyce, Arkansas, offers a valuable prize of \$50 to any student of the University of Arkansas, taking economics, writing the best essay on some fire insurance topic, selected by the economic staff of the University. By special arrangement with Mr. Banks, this prize is divided between the writers of the first, second and third best essays, in the ratio of \$25, \$15 and \$10, respectively.

CHAPEL EXERCISES

Religious exercises, conducted by Mr. B. W. Dickson, General Secretary of the Y. M. C. A., or by an invited clergyman, are held in the University chapel every morning at twenty minutes past eight.

CHURCHES

The churches of Fayetteville cordially welcome the students to their Sunday Schools and various meetings of prayer and religious instruction. Many students are actively engaged in the work of the different church societies and guilds.

The pastors of the city are actively interested in the spiritual welfare of the students. There follows a list of the local churches and pastors, with the addresses of the latter:

Baptist—

Christian (First)—Rev. W. S. Lockhart, 228 W. Center St.

Christian (Second)—Rev. John Hinds, Hill St.

Central Presbyterian—Rev. M. L. Gillespie, 308 W. Charles St.

Methodist Episcopal—Rev. J. F. Ross, cor. W. Rock and School Sts.

Methodist Episcopal, South—Rev. J. W. Herring, 309 Highland Ave.

Methodist Protestant—Rev. J. H. Kilgore, Leverett St.

First Presbyterian—Rev. R. B. Willis.

Protestant Episcopal—

Roman Catholic—Father Patrick H. Boyle, 354 N. Willow St.

Seventh Day Adventist—

DEGREES

The following degrees are conferred by the University:

For undergraduate work:

- Bachelor of Arts (B. A.).
- Bachelor of Civil Engineering (B. C. E.).
- Bachelor of Mechanical Engineering (B. M. E.).
- Bachelor of Electrical Engineering (B. E. E.).
- Bachelor of Mining Engineering (B. Mi. E.).
- Bachelor of Chemical Engineering (B. Ch. E.).
- Bachelor of Science in Chemistry (B. S. C.).
- Bachelor of Science in Agriculture (B. S. A.).
- Bachelor of Science in Physics (B. S. in Phys.).

For graduate work:

- Master of Arts (M. A.).
- Master of Science (M. S.).
- Mechanical Engineer (M. E.).
- Civil Engineer (C. E.).
- Electrical Engineer (E. E.).
- Chemical Engineer (Ch. E.).

All the courses leading to the different bachelor's degrees are based on four years of collegiate work. The B. A. course is designed to give the student liberal culture, while the engineering and scientific courses are technical. The B. A. course is almost entirely elective, certain safeguards and restrictions being thrown around the student's choice of electives; the technical courses necessarily consist principally of prescribed work.

For the announcements of the several collegiate departments see pp. 92-135; College of Agriculture, pp. 136-151.

Courses of Study for the Collegiate Degrees

B. A. COURSE.

FRESHMAN	Periods	SOPHOMORE	Periods
English.....	3	English.....	3
A Foreign Language.....	3 or 4	The Foreign Language Pursued in Freshman Year.....	3
From Group II.....	3 or 4	From Group II.....	3
From Group III.....	3	From Group III.....	3
Elective.....	2, 3 or 4	Elective.....	1
Total.....	16	Total.....	16

JUNIOR	Periods	SENIOR	Periods
Elective.....	16	Elective.....	16

NOTE. —A period means one recitation per week throughout a college year, or the equivalent in laboratory work. (See page 57.)

Conditions.

1. Sixty-four periods are required for graduation.
2. At or before the beginning of the Junior year the student shall elect a major subject, and 24 periods of the 64 required for graduation shall be subject to the approval of the professor in charge of the major subject. Not more than 18 periods may be taken in any subject, and not more than 36 periods in any group.
3. Candidates for the B. A. degree shall choose their major subject from Group I, II or III, and shall offer not fewer than 9 periods for each of these groups. Not more than 9 periods may be offered from Group IV. In the foreign language pursued in the Freshman year the equivalent of two years' work must be offered for admission.
4. In addition to the requirements above mentioned, military science and tactics will be required of male students, or, when ever they are excused, one period per year in other work. One period per year in music, art, elocution, physical culture, or other work, will be required of female students.

Groups.

- I. Greek, Latin, English, German, French, Spanish, Italian.
- II. Mathematics, Astronomy, Chemistry, Physics, Geology, Biology.
- III. History, Philosophy, Political Science, Economics, Sociology, Pedagogy.
- IV. Mechanical, Civil, Electrical, Chemical and Mining Engineering, Agronomy, Plant Pathology, Entomology, Agricultural Chemistry.

COURSE IN MECHANICAL ENGINEERING FOR THE DEGREE OF B. M. E.

FRESHMAN YEAR	Hrs. per week	SOPHOMORE YEAR	Hrs. per week
Mathematics 1c, Algebra, first term; Geometry, second term . . .	3	Mathematics 4a, Plane Trigonometry, Analytic Geometry . .	3
Mathematics 2c, Plane Trigonometry, first term; Analytic Geometry, second term	3	Mathematics 4b, Calculus	3
English 1, English Composition . . .	3	Physics I	3
Chemistry 1	3	Mechanical Drawing, M. E. 2b . .	2
Mechanical Drawing, M. E. 2a . . .	2	Descriptive Geometry, C. E. 1, two hours, first term	1
Shop Work	2	C. E. 2 and 3 or a Language . . .	3
		Shop Work	2

JUNIOR YEAR	Hrs. per week	SENIOR YEAR	Hrs. per week
Mathematics 6b, Algebra and Calculus	2	Machine Design, M. E. 7	4
Machine Design, M. E. 3	3	Mechanical Laboratory, M. E. 8 . .	2
M. E. 4, Theoretical Mechanics, first term; Mechanics' Material, second term	4	Hydraulic Machinery, M. E. 9b, two hours per week, first term	1
M. E. 5, Steam Engines and Boilers, first term; Gas Engine and Producers, second term . . .	3	Electrical Laboratory, E. E. 5 . . .	2
Mechanical Laboratory, M. E. 6 . .	2	Electrical Machinery, E. E. 7 . . .	3
Hydraulics, M. E. 9a, two hours per week, second term	1	Elective	4
Shop Work	2	Thesis	

All elective courses are subject to the approval of the professor of Mechanical Engineering.

A description of the courses offered in the Department of Mechanical Engineering will be found on pages 123-127.

COURSE IN CIVIL ENGINEERING FOR THE DEGREE OF B. C. E.

FRESHMAN YEAR		Hrs. per week	SOPHOMORE YEAR		Hrs. per week
Mathematics 1c, Algebra, first term.....	3		C. E. 2 and 3, Surveying		3
Solid Geometry, second term.....	3		Mathematics 4a, Analytic Geometry and Plane Trigonometry		3
Mathematics 2, Plane Trigonometry, first term.....	3		Mathematics 4b, Differential and Integral Calculus.....		2
Analytic Geometry, second term.....	3		English 2, French 1, German 1, or Spanish 1.....		3
General Chemistry.....	3		Physics 1.....		3
C. E. 8, Lettering.....	2		C. E. 1, Descriptive Geometry, first term.....		2
C. E. 1a, Drawing.....	2		C. E. 4, Highway Construction, second term.....		1
English 1.....	3		C. E. 4a, Architectural Drawing, second term.....		1
JUNIOR YEAR		Hrs. per week	SENIOR YEAR		Hrs. per week
Mathematics 6b, Algebra and Calculus.....	2		C. E. 15a, Reinforced Concrete, first term.....		2
M. E. 4, Mechanics.....	4		C. E. 15, Field Practice, second term.....		2
C. E. 5, Railroad Engineering....	2		C. E. 14, Engineering Laboratory, first term.....		2
C. E. 6, Field Practice.....	2		C. E. 11, Sanitary Engineering, first term.....		2
C. E. 8a, Technical Drawing....	2		C. E. 12, Technical Drawing....		2
M. E. 9, Hydraulics, second term.....	2		C. E. 13, Waterworks Construction, second term.....		3
*Elective.....	2		C. E. 9, Masonry Construction, first term.....		2
			C. E. 10, Roofs and Bridges....	4 & 3	
			Geology 5, Blowpipe Analysis, second term.....		2
			*Elective.....		3
			Thesis.....		

* Electives can be taken only on the approval of the professor of Civil Engineering.

COURSES IN ELECTRICAL ENGINEERING FOR THE DEGREE OF B. E. E.

FRESHMAN YEAR	Hrs. per week	SOPHOMORE YEAR	Hrs. per week
Mathematics 1c, Algebra, first term; Solid Geometry, second term.....	3	Mathematics 4a, Plane Trigonometry, Analytic Geometry.....	3
Mathematics 2c, Plane Trigonometry, first term; Analytic Geometry, second term.....	3	Mathematics 4b, Calculus.....	2
English 1, English Composition.....	3	Chemistry 1, General Chemistry.....	3
Physics 1, General Physics.....	3	Physics 2, Advanced General Physics.....	3
E. E. 2, Drawing.....	2	Physics 2a, Laboratory Work.....	2
M. E. 1d, b, Shop Work.....	1½	M. E. 1c, e, Shop Work.....	1½
		E. E. 2a, Drawing.....	2
JUNIOR YEAR	Hrs. per week	SENIOR YEAR	Hrs. per week
Mathematics 6b, Algebra and Calculus.....	2	E. E. 8, Alternate Current Theory, and E. E. 9, Polyphase Electric Currents.....	3
English 1a, or German 1, or French 1, or Spanish 1.....	3	E. E. 6, Electrical Laboratory....	2
E. E. 7, Dynamo, Electric Machinery.....	3	E. E. 4, Technical Drawing.....	2
E. E. 3, Technical Drawing.....	2	E. E. 11, Telephony and Telegraphy.....	2
M. E. 4, Mechanics.....	4	M. E. 5, Steam Machinery, first term.....	3
E. E. 5, Electrical Laboratory....	2	M. E. 6, Mechanical Laboratory, first term, and E. E. 10, Electric Railways, second term....	2
		Elective.....	2 & 5
		Thesis.....	2

COURSE IN CHEMICAL ENGINEERING LEADING TO THE DEGREE OF B. CH. E.

FRESHMAN YEAR	Hrs. per week	SOPHOMORE YEAR	Hrs. per week
Mathematics 1c.....	4	Mathematics 4a and 4b.....	5
Mathematics 2c.....	2	Chemistry 2 and 2a.....	2½
Chemistry 1 and.....	3	Chemistry 5 and 6.....	3
Chemistry 3, second term.....	3½	Physics 1 and 1a.....	3½
M. E. 1b, 1c, 1d.....	3	M. E. 1c.....	1
M. E. 2.....	2	English 2 or.....	3
English 1.....	3	German 1.....	

JUNIOR YEAR	Hrs. per week	SENIOR YEAR	Hrs. per week
Mathematics 6b, first term.....	2	Chemistry 8.....	3
Chemistry 3 and 3a.....	4	Chemistry 11.....	1½
Chemistry 7.....	3	Chemistry 13.....	1½
M. E. 3.....	3	M. E. 5.....	3
M. E. 4.....	4	E. E. 5.....	2
M. E. 6.....	2	C. E. 11, first term.....	1
		Business Law, one term.....	1½
		Thesis.....	
		Journal Meeting (Chemistry 16).....	
		English 2 or French 1.....	3

N. B.—Certain substitutions may be permitted at the discretion of the classification committee.

COURSE IN CHEMISTRY FOR THE DEGREE OF B. S. IN CHEMISTRY.

FRESHMAN YEAR	Hrs. per week	SOPHOMORE YEAR	Hrs. per week
Mathematics 1c and 2c.....	6	Chemistry 2.....	2
Physics 1 and 1a.....	3½	Chemistry 6.....	3-5
Chemistry 1 and Chemistry 5, ▶ second term.....	3½	French 1.....	3
English 1.....	3	Drawing 1a.....	2
German 1.....	3	And from 6 to 8 hours of the following:	
		Chemistry 2a.....	2
		Mathematics 4a and 4b.....	5
		Biology 1.....	3
		Geology 2.....	3
		Economics 1.....	3
		History 3a or 3b.....	1½
		English 2.....	2
		German 2.....	3

JUNIOR YEAR	Hrs. per week	SENIOR YEAR	Hrs. per week
Chemistry 3.....	2	Chemistry 6.....	3-5
Chemistry 7.....	3-5	Chemistry 13.....	1½
Chemistry 8.....	1½	Chemistry 16 (Journal Meeting)	
Chemistry 14.....	1	Thesis.....	
Physics 2 and 2a.....	4	And from 9 to 11 hours of the following:	
And from 5 to 7 hours of the following:		Chemistry 4.....	3
Chemistry 3a.....	2	Chemistry 4a.....	1-3
Chemistry 8a.....	1-2	Chemistry 9, 10 or 12.....	2-4
Mathematics 6b.....	2	Physics 4 or 5.....	1
Geology 5a and 5b.....	3	Biology 7 or 8.....	4-5
Biology 4.....	4	Geology 7 or 9.....	1-3
Scientific French.....	2	Mathematics 9a.....	1½
Scientific German.....	2	English 4.....	2
Shop Work.....	1-2	History 4a or 4b.....	1
		Business Law.....	1½

COURSE IN MINING ENGINEERING FOR THE DEGREE OF B. Mi. E.

FRESHMAN YEAR	Hrs. per week	SOPHOMORE YEAR	Hrs. per week
Chemistry 1 and 5, General Inorganic Chemistry and Qualitative Analysis..... *C. E. 1a, Special Drawing..... English 1, English Composition..... Mathematics 1b and 2a Algebra and Solid Geometry, Trigonometry and Analytic Geometry..... Physics 1, General Physics.....	3 2 3 6 3	Chemistry 2 and 5, Advanced Inorganic Chemistry and Qualitative Analysis..... C. E. 1, Descriptive Geometry, two hours, first term..... Geology 2, General Geology..... Geology 5, Crystallography, Mineralogy, and Blowpipe Analysis..... Mathematics 4a and 4b, Analytical Geometry, Trigonometry and Calculus..... Mining 1, Elementary Mining, two hours, second term.....	4 1 3 3 5 1
JUNIOR YEAR	Hrs. per week	SENIOR YEAR	Hrs. per week
Chemistry 6, Quantitative Analysis, three hours, first term..... C. E. 2 and 3, Surveying..... E. E. 12, Direct Current Machinery, three hours, first term, and Geology 3; Field Work, three hours, second term..... M. E. 4, Mechanics..... M. E. 9, Hydraulics, two hours, second term..... Geology 8, Rocks and Metamorphism, two hours, second term..... Mining 2, Details of Mining..... †Elective.....	1½ 3 3 4 1 1 2 2	Chemistry 7, Quantitative Analysis..... E. E. 5, Electrical Laboratory, two hours, first term..... M. E. 5, Steam Engines, three hours, first term, and Geology 7; Economic Geology, three hours, second term..... Geology 9, Descriptive Mineralogy, one hour, first term, and Metallurgy 2, Assaying, three hours, second term..... Metallurgy 1, General Metallurgy..... Mining 3, Advanced Mining..... Mining 4, Engineering Problems of Mining..... Mining 8, Ore Dressing.....	2 1 3 2 3 3 3 2

* C. E. indicates Civil Engineering; E. E., Electrical Engineering, and M. E., Mechanical Engineering. The figures after the names are the numbers of the courses as given in the catalogue.

† Electives can be taken only on the approval of the Department of Geology and Mining.

COURSE FOR THE DEGREE OF B. S. IN PHYSICS.*

FRESHMAN YEAR	Hrs. per week	SOPHOMORE YEAR	Hrs. per week
Mathematics 1c, 2c.....	6	Mathematics 4a, 4b.....	5
Physics 1.....	3	Physics 2, 2a, 3.....	5
Chemistry 1.....	3	Chemistry 2, 3, 5.....	5
English 1.....	3	French 1.....	3
German 1.....	3		

JUNIOR YEAR	Hrs. per week	SENIOR YEAR	Hrs. per week
Mathematics 6b, 9a, b, 16.....	7	Mathematics 18.....	3
Physics 4, 5, 10.....	4	Physics 6, 7, 8, 11.....	10
Chemistry 8.....	11½	Chemistry 12.....	11½
E. E. 5, 12.....	3½	E. E. 6, 8.....	3½
C. E. 1.....	1	Thesis.....	
Scientific German and French...	1	Journal Meeting.....	
Journal Meeting.....			

* This course began in September, 1908; only the first two years can be offered at present.

Requirements for the Degrees of Master of Arts and Master of Science

1. That before a student is admitted to candidacy for a master's degree he shall have received the corresponding bachelor's degree from this University or another institution in which the course of study is fully equivalent.

2. That not less than one year intervene between the conferring of the bachelor's and master's degree.

3. That a course of study in one major, and not more than two minor, subjects, aggregating with a *thesis sixteen hours, be pursued in residence, and that fourteen to sixteen hours be taken regularly in the class room.

4. That the major subject, occupying with the thesis, eight hours, shall be at least third year work in a subject in which the candidate has at least six hours' credit.

5. That six hours additional work shall be selected in not more than two closely related subjects, in each of which the candidate must have received at least six hours' credit.

6. That all work credited towards a master's degree must be done after the corresponding bachelor's degree has been received.

7. That in computing credit for a master's degree three hours of laboratory work shall be equivalent to one hour of recitation.

*See page 85

Requirements for the Degrees of C. E., M. E., E. E., and Ch. E.

These courses of study are intended to give those students who have finished an undergraduate course in engineering additional preparation to some special line of work to which their previous study has led. The student will have all reasonable liberty in selecting such specialties and will be limited only by certain general requirements. He will be required at the beginning of the year to make up the course which he proposes to follow, and to present it, approved by the instructors concerned, to the faculty. If accepted, it will be subject to change only by the faculty. In general, it is expected that these courses shall comprise one principal subject based on the course already pursued, and two secondary subjects, one or both of which should be closely related to the principal. The graduate course should amount to not less than fifteen recitation hours per week as counted in undergraduate work.

The subject of a thesis for any of the above mentioned degrees must be submitted to the faculty for approval before the middle of the second term.

These degrees will also be given to graduates in civil, mechanical, electrical, and chemical engineering, who have been in successful practice of their profession for three years, and who have submitted a satisfactory thesis on a subject approved by the professor in charge.

Charges—Graduate students pay ten dollars for matriculation and registration, ten dollars for tuition (non residents, five dollars) at the beginning of each session, and ten dollars in advance for the final examination. Students who fail to comply with any of these requirements, or who do not each year complete the equivalent of two terms' work in one subject, will be dropped from the rolls. Should such students desire to resume their studies, they must pay for matriculation and registration, as if beginning for the first time. The diploma fee is five dollars in advance in each case.

Graduates attending only undergraduate classes pay the same fee as undergraduates.

Non-resident students have such assistance and instruction in their studies as can be conveniently given by correspondence.

REQUIREMENTS FOR THESES

1. Thesis subjects shall be submitted by December 15th of the year of graduation.

2. For a bachelor's thesis the minimum requirement shall be 2,500 words.

3. The thesis for the master's degree shall present the results of research, and shall be given a credit of two hours.

4. The thesis shall be submitted for criticism and approval to a committee of three, consisting of the professor under whom the candidate is doing his thesis work and two others appointed by the President. These must be submitted to the committee by May 10th of the year of graduation.

5. All these shall be neatly typewritten on paper 8x10 inches with a one inch margin. The title shall read:

Subject.....

Thesis submitted by to the faculty of the
University of Arkansas in fulfilment of the requirement for the
degree of

Date

COURSES OF STUDY LEADING TO CERTIFICATES

In pedagogy, mechanical engineering and electrical engineering there are the following courses of study, the completion of which entitles the student to a certificate:

NORMAL COURSE.

The certificate of Licentiate of Instruction (L. I.) has been established by the board of trustees as a testimonial of one's knowledge of educational principles, and proficiency in the art of teaching. There are two conditions upon which the certificate of licentiate instruction is granted:

First. To those who complete either of the prescribed courses of study as given on page 88.

Second. To those who elect their major in the department of philosophy and pedagogy. This requires a credit of eleven hours in pedagogy.

Third. Where suitable arrangements can be made with the professor in charge of a major subject, one may elect his major in another department and yet receive the L. I. at the same time that he receives his A. B. degree.

Normal Certificate a License to Teach.

The following is the law relating to the Normal Diploma

Be it Enacted by the General Assembly of Arkansas:

"SECTION 1. That the diplomas from the teachers' training department of the University of Arkansas shall be equivalent to a teacher's professional license, which shall entitle the holder to teach in any public school in the State of Arkansas for a period of six years from and after the date of issue, and at the expiration of that said diploma may be converted into a life certificate, provided the character of the work done by the holder thereof and

his or her moral character meet with the approval of the State Superintendent of Public Instruction of the State of Arkansas.

"SEC. 2 That this Act be in full force from and after its passage."

The foregoing law entitles the graduates of the University normal department to teach in any county in the State for a period of six years, and if the character of the work done is satisfactory to the State Superintendent of Public Instruction, the certificate of Licentiate of Instruction will be controverted into a life certificate. This offers special inducements to those who anticipate teaching to attend the University normal department until they have been granted this certificate.

All the literary work required in the normal courses is done by the professors in the regular bachelor's courses.

The normal department has a well equipped training school in which all senior normal students are required to do daily practice teaching under the guidance of a critic teacher.

Admission to the University Normal Course.

The course of study covers three years, the first one of which may be done in the various high schools accredited to the University, or in other schools of equal rank.

Those holding teachers' licenses and public school certificates will not be examined in those subjects named in the certificates.

The requirements for admission to the first year class are the same as those required for admission to the Preparatory School. See page 185.

Normal Course with Science		Normal Course with Latin	
FIRST YEAR	Hours per week	FIRST YEAR	Hours per week
Algebra.....	2	Algebra.....	2
Plane Geometry.....	4	Plane Geometry.....	4
English (Rhetoric).....	4	English (Rhetoric).....	4
Greek and Roman History.....	3	Greek and Roman History.....	3
Elementary Physics.....	2	Latin (Cæsar).....	4
Elementary Pedagogy.....	1	Elementary Pedagogy.....	1
Total.....	16*	Total.....	18*
SECOND YEAR	Hours per week	SECOND YEAR	Hours per week
English 1.....	3	English 1.....	3
History 2.....	3	Latin 1.....	4
Agriculture 3.....	3	Pedagogy 1 and 4.....	3
Pedagogy 1 and 4.....	3	Pedagogy 3.....	2
Pedagogy 3.....	2	Agriculture 3.....	3
Elective.....	3	Physical Culture.....	1
Physical Culture.....	1		
Total.....	18	Total.....	16
THIRD YEAR	Hours per week	THIRD YEAR	Hours per week
English 2.....	3	English 2.....	3
Pedagogy 5.....	4	Mathematics 1.....	4
Pedagogy 6.....	2	Pedagogy 5.....	4
Singing and Drawing.....	1	Pedagogy 6.....	2
Science (Elective).....	3	Elective.....	3
Elective.....	3	Class Elocution.....	1
Class Elocution.....	1	Singing and Drawing.....	1
Total.....	17	Total.....	18

* NOTE.—To enter the second year class, enough of other studies must be offered so as to bring it up to 12½ units, the requirements for admission to the Freshman class. (See page 42.)

All the work done in the foregoing courses, excepting singing, and elocution, and drawing, may be credited on the B. A. course. After having completed the normal course, one may, after two years of further study, receive the B. A. degree, provided he has fulfilled the requirements as stated on pages 74-75. The completion of the first year in either of the foregoing courses is presumed to prepare one to pass the examination for the professional license, issued by the State Superintendent of Public Instruction.

MECHANIC ARTS COURSE.

This course of two years is designed to meet the wants of two classes of young men:

First. Those who are not able to spend the time required for the completion of the four years' course.

Second. Those who lack the necessary preparation for admission to the collegiate classes, and do not wish to become candidates for a degree.

Special attention is given to instruction in shop work and drawing, sufficient time being given to the former to enable a student to become familiar with its branches, and to acquire proficiency in some chosen one. The time spent in the drawing room will enable the student to make and understand machine drawings.

In the last year the technical instruction is designed to give such an elementary knowledge of mechanics, machine design and steam machinery as will enable the student to use and care for machinery intelligently. No diploma is awarded, but a certificate will be given on the completion of the course.

COURSE FOR CERTIFICATE IN MECHANIC ARTS.

FIRST YEAR	Hrs. per week	SECOND YEAR	Hrs. per week
Mathematics, Preparatory.....	6	M. E. 3, Machine Design.....	5
M. E. 2a, Mechanical Drawing.....	2	M. E. 5a, Steam Machinery.....	5
M. E. 4a, Mechanics and Hydraulics.....	3	M. E. 6, Mechanical Laboratory.....	2
Preparatory Physics.....	2	E. E. 5, Electrical Laboratory.....	2
Shop Work.....	3	E. E. 12, Electrical Machinery.....	3
		Shop Work.....	3

***SHORT COURSE IN ELECTRICAL ENGINEERING.**

This course prepares students for practical work, such as constructing, operating, superintending, or managing lighting, power or manufacturing plants. It does not lead to a degree, but a suitable certificate will be given on completion of the work.

Course for Certificate in Electrical Engineering.

FIRST YEAR	Hrs. per week	SECOND YEAR	Hrs. per week
E. E. 1, Electrical Engineering	5	E. E. 12, Electrical Machinery	3
E. E. 2, Drawing	2	E. E. 2a, Technical Drawing	2
M. E. 1d, b, Shop Work	2	E. E. 5, Electrical Laboratory	2
Mathematics, Preparatory, Plane Geometry	5	M. E. 5a, Steam Engines and Boilers	3
		M. E. 1c, e, Shop Work	2
		Mathematics 1c, Algebra, first term; Solid Geometry, second term	3
		Mathematics 2c, Plane Trig- onometry, first term; Ana- lytic Geometry, second term	3

*Candidates for this course should be at least sixteen years old, and have a fair knowledge of the common school branches. They must meet the requirements for admission to the preparatory class in mathematics.

*DESCRIPTION OF COLLEGIATE COURSES

ANCIENT LANGUAGES.

J. C. FUTRALL, *Professor.*

JOHN J. JAMES, *Adjunct Professor.*

LATIN.

For students entering with only three units in Latin (see page 47 of this catalogue courses 1 and 1a are provided. Students presenting four units for entrance will be admitted to course 2, but will be required to satisfy the professor of their proficiency in course 1a, or to pursue that course with the class.

Students who desire recommendations as teachers of Latin in the high schools of the State must have credit for courses 1, 1a, 2, 2a, 3a and either 3 or 4.

1. CICERO'S ORATIONS AND LETTERS, AND VIRGIL (3) A review of the forms; drill in the syntax of noun and verb; the prosody of Virgil. *No credit will be given for this course until course 1a has been passed.* M. Tu. Th. 1, 2, and 3.

ADJUNCT PROFESSOR JAMES.

1a. PROSE COMPOSITION (1)—Designed to accompany course 1. Bennett's Latin Writer completed, with additional exercises prepared by the instructor. W. 1, 2, and 3.

ADJUNCT PROFESSOR JAMES.

2. CICERO AND LIVY (3)—Cicero's *de Officiis*; Livy, Burton's Selections; sight reading; Roman literature. *Prerequisite: Courses 1 and 1a.* M. W. F. 3.

PROFESSOR FUTRALL.

2a. PROSE COMPOSITION (1)—Nutting's Supplementary Latin Composition. *Prerequisite: Courses 1 and 1a.* Th. 3.

PROFESSOR FUTRALL.

*The number to the left of the description of a course is the number of the course; the number to the right is the number of hours per week that the course is given. In general, two hours of laboratory work are considered as the equivalent of one hour of recitation. Thus a course that has two hours per week of recitation work and two hours of laboratory work is a three-hour course. Unless the contrary is stated in the description of a course, all courses run throughout the year. No professor is required to teach an elective course unless it is applied for by at least five students.

3. ROMAN PUBLIC AND PRIVATE LIFE (2)—Selections from Cicero, Pliny, Juvenal, and Martial. *Prerequisite:* Course 2 Tu. Th. 4. PROFESSOR FUTRALL.

3a. PROSE COMPOSITION (1)—The translation of connected passages of idiomatic English into idiomatic Latin. *Prerequisite:* Courses 2 and 2a. W. 4. PROFESSOR FUTRALL.

4. HORACE AND TACITUS (2)—Horace, Odes and Epodes; Tacitus, Annals; parallel and sight reading; the metres of Horace. *Prerequisite:* Courses 2 and 2a. T. 3; F. 4. PROFESSOR FUTRALL.

5. ROMAN POETS (3)—Readings will be taken from Plautus, Terence, Catullus, Horace, Juvenal, and others, and the attention of the student will be directed rather to the literary side of the authors read than to grammatical and syntactical peculiarities. The metres of Plautus and Terence will be carefully studied. Course 5 may be taken twice and counted towards a degree, as the readings will be changed in successive years. *Prerequisite:* Courses 2a and 3 or 4. PROFESSOR FUTRALL.

Text-books. Bennett's and Gildersleeve's Grammars; Wilkins Primer of Roman Literature; Crutwell's Roman Literature. Any approved edition of the Latin authors may be used, except when certain editions are prescribed. *Lexicons:* Harper, Lewis, White.

GREEK.

Courses 1 and 2 are designed to give to students who do not present entrance credits in Greek an opportunity to begin the study of the language. Those having an entrance credit of three units will be admitted to course 3.

1. ELEMENTARY COURSE (4)—White's Beginner's Greek Book, with selections from Xenophon's Anabasis. A thorough mastery of the forms and constructions given in this book is required. M. T. W. Th. 4. ADJUNCT PROFESSOR JAMES.

2. XENOPHON AND LYSIAS (4)—This course is intended to familiarize the student with all the ordinary Attic forms and constructions; frequent exercises in oral and written translation of English into Greek, based upon the text read, are given, and some practice in sight reading; Goodwin's Grammar. *Prerequisite:* Course 1. M. W. Th. F. 6.

ADJUNCT PROFESSOR JAMES.

3. HOMER AND PLATO (3)—Systematic study of the grammar; prose composition; Greek literature; sight reading. *Prerequisite:* Course 2. M. 4, Th. F. 2. PROFESSOR FUTRALL.

4. GREEK HISTORIANS (2)—Selections from Herodotus and Thucydides. *Prerequisite:* Course 3. PROFESSOR FUTRALL.

5. ADVANCED PROSE COMPOSITION (1)—Weekly written exercises. *Prerequisite:* Course 3. PROFESSOR FUTRALL.

6. THE ATTIC DRAMA (3)—Readings from Æschylus, Euripides, Sophocles and Aristophanes. *Prerequisite:* Course 3. PROFESSOR FUTRALL.

Text-books: Goodwin's Revised Greek Grammar; Goodwin's Greek Moods and Tenses; Collar and Daniell's Prose Composition; Higley's Exercises in Greek Composition. Any approved edition of the Greek authors may be used, except when certain editions are prescribed. Liddell and Scott's Lexicons are recommended.

ENGLISH.

O. D. WANNAMAKER, *Acting Professor.**

GARLAND GREEVER, *Associate Professor.*

MRS. E. M. BLAKE, *Instructor.*

MISS JOBELLE HOLCOMBE, *Instructor.*

MISS PEARL H. ETHERIDGE, *Instructor.*

I. ELEMENTARY COMPOSITION AND LITERARY HISTORY (3)—The class meets three times a week, twice in large sections for the study of selected masterpieces and for instruction in the history of English literature, and once in small sections for intensive work in composition and rhetoric. The large sections meet at various hours on Tuesdays and Thursdays; the small sections are apportioned through the remaining days of the week. Each student must have the same hour for recitation on all three days. A booklet descriptive of the course in detail must be secured through the instructors by the payment of its actual cost, ten cents. *Required of all Freshmen.*

ASSOCIATE PROFESSOR GREEVER,

MRS. BLAKE,

MISS ETHERIDGE.

14. LITERATURE AND COMPOSITION FOR TECHNICAL STUDENTS (3)—This course is a modification of English 2, designed to meet the special needs of students in engineering and agricul-

*E. F. Shannon, Professor, absent on leave.

ture. The class will devote two hours a week to study and practice in composition, mainly in scientific description and exposition. The course in literature is planned to give the student a firmer grasp of the development of English literature together with intelligent appreciation of selected masterpieces. A syllabus of required readings must be secured from the instructor at the beginning of the course, for which ten cents, the actual cost, will be charged. Text-book will be announced to applicants. *Prerequisite*: English 1. T. W. Th. 4.

2. ADVANCED COMPOSITION; ELEMENTARY ANGLO-SAXON; OUTLINE HISTORY OF THE CHIEF FORMS OF LITERATURE (3)—The course in composition comprises a thorough study of theory together with constant effort to apply in practice the principles learned. Themes will be written weekly, criticised by the instructor, and corrected or re-written. The paragraph will be studied, both as a whole and in connected discourse. The themes assigned will be in narration, description, and exposition, and will progress from single paragraphs to long compositions. Text-books will be announced to applicants.

Elementary Anglo-Saxon is taught with a view to interesting the student in the history of the English language, and developing greater accuracy in his use of words. *Text-book*: Smith's *Old English Grammar*.

The purpose of the course in the Forms of Literature is twofold: to give the student a firmer grasp of the development of English literature as taught in English 1, and to cultivate an intelligent appreciation of the masterpieces representing the chief forms of prose and poetry. Students must secure at the beginning of the course a syllabus of required readings, for which ten cents, the actual cost, will be charged.

For the study of literature, the class meets once a week, T. 3. For the study of composition and Anglo-Saxon, the class is divided into seven sections, meeting as follows: One section, M. Th. 2; two sections, M. Th. 4; three sections, W. Fr. 3; one section, W. Fr. 6. *Required of all Sophomores in the B. A. course; open to others who have completed English 1.*

ACTING PROFESSOR WANNAMAKER.

ASSOCIATE PROFESSOR GREEVER.

MISS HOLCOMBE.

4. **ADVANCED COMPOSITION (2)**—The purpose of this course is to teach the advanced students the principles of exposition and argumentation, and to develop reasoning power as well as the ability to write clear and vigorous prose. The structure of the short story will be taken up at the beginning of the course; typical specimens will be studied, and each student will construct a plot and write a story. For the remainder of the first term the course will be devoted to exposition, which will be studied theoretically and practically. Much time will be given to the analysis of specimens of exposition. Frequent outlines and complete themes will be required. The second term will be devoted to argumentation, which will be studied in the same manner. *Textbook*: Gardiner's *Forms of Prose Literature*; Gosse's *Specimens of English Composition*; *The Atlantic Monthly* from October to March. *Required of Juniors whose major subject is English, open to Juniors and Seniors who have completed English 2.* W. Fr. 2; M. Th. 7.

ACTING PROFESSOR WANNAMAKER.
ASSOCIATE PROFESSOR GREEVER.

5. **SIXTEENTH CENTURY LITERATURE (2)**—This course begins with the accession of Henry VIII. and ends with the predecessors of Shakespeare in the drama. Preliminary lectures will seek to explain the dearth of literature in the fifteenth century, and trace the incoming of the Renaissance into England. The principal writers in prose and verse of the sixteenth century will then be studied in chronological order. In the first term special attention will be given to the development of English prose style, and the origin and florescence of the Elizabethan lyric. The second term will be devoted to the study of the drama before Shakespeare. Its development will be traced from mediæval church liturgy through the miracle and the morality to Elizabethan tragedy and comedy. A list of assigned readings must be secured at the beginning of the course. *Textbook for the second term*: Manly's *Specimens of the Pre-Shakespearian Drama*, 2 vols. *Open to Juniors and Seniors who have completed English 2.* M. Fr. 6.

ACTING PROFESSOR WANNAMAKER.

7. **ENGLISH LITERATURE OF THE SEVENTEENTH CENTURY (2)**—The work of the first term deals with the prose writers of the century, and with the lyric writers of the reigns of James and

Charles I. Beginning with a study of the prose of the Authorized Version of the Bible the course includes the prose of Johnson, Milton, Taylor, Clarendon, Browne, Hobbes, and Walton. The study of the lyric writers is confined to Professor Schelling's textbook, *The Seventeenth Century Lyrics*.

The work of the second term is an intensive study of the life and poetry of Milton.

The course may be elected for either term or both. *Open to Juniors and Seniors who have credit for English 2.* W. F. 1.

MISS HOLCOMBE.

3. AMERICAN LITERATURE (2)—Colonial literature will be studied in outline. Intensive study will be given to the leading poets, especially to Bryant, Emerson, Poe, Longfellow, Whittier, Holmes, Lowell, Lanier, followed by a consideration of minor poets of the South. *Open to Sophomores who have credit for English 1.* M. Th. 4.

MISS HOLCOMBE.

8. ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY (2)—This course includes that part of English literature from the death of Dryden to the publication of the Lyrical Ballads (1700-1798). It therefore traces the development of English literature through the period of classicism up to the triumph of romanticism. This is a library course in which the student is assigned reading in the works of the principal writers of this period and is required to submit reports upon topics suggested by his reading. After the student has studied briefly the biography of the author, made a classification of his works, and done the reading assigned to him, the instructor discusses in lectures the author's life and work and assigns to him his true place in literature. By this means the critical faculty of the student is cultivated and the discussion by the instructor furnishes to the student a standard by which to measure his own judgment and correct it, if need be. The authors read and discussed are Swift, Addison, Steele, Pope, Johnson, Goldsmith, Defoe, Richardson, Fielding, Smollet, Sterne, Thomson, Young, Collins, and Gray. *Open to Juniors and Seniors who have credit for English 2.* T. Th. 7.

ASSOCIATE PROFESSOR GREEVER.

9a. NINETEENTH CENTURY POETRY (3)—The first term will be given to the study of Wordsworth, Coleridge, Shelley, Keats, and a few of the minor poets. The second term will be given to a study of Tennyson and Browning. *Text-books:* Page's British

Poets of the Nineteenth Century, for the minor poets; the Clarendon Press edition for each of the others. *Open to Juniors and Seniors who have completed English 2.* M. W. F. 6.

MRS. BLAKE.

9b. NINETEENTH CENTURY PROSE (2)—The first term will be given to the novel; the second to the essay. In the novel the instructor will lecture on the beginnings and development of prose fiction, and, after the students have acquainted themselves with the lives of Jane Austen, Scott, Dickens, Thackeray, and George Eliot, will lead in a thorough discussion of the characteristics and significance of these writers. Each student will be made responsible for an exhaustive report on one minor novelist. During the term the student must read not fewer than eight novels—one each from the five major novelists, one from the minor novelist assigned him, and two optional. In the essay the emphasis will be laid on Lamb and Carlyle, and the *Essays of Elia*, *Heroes and Hero Worship*, *Past and Present*, and *Sartor Resartus* will be read in class; but each student will be required to report in full on the life, style, and significance of one additional essayist. The course may be taken for either term or both. *Open to Juniors and Seniors who have completed English 2.* T. Th. 6.

ASSOCIATE PROFESSOR GREEVER.

10. CHAUCER AND MIDDLE ENGLISH (2)—The primary purpose of this course is to cultivate in the student an appreciation of the genius of Chaucer; the secondary purpose is to teach Middle English, and make clear its place in the history of the language. The grammar and prosody of Chaucer will be studied so far as is necessary to render easy the correct reading of his verse. The main body of his works will then be taken up in the following order: *Minor poems*, *House of Fame*, *The Prologue*, and most of the *Canterbury Tales*, parts of *Troilus and Criseyde*. *Text-books:* The Student's Chaucer (Clarendon Press); Emerson's *History of the English Language*. *Required of Juniors whose major subject is English, open to Juniors and Seniors who have completed English 2.* W. Fr. 4.

ACTING PROFESSOR WANNAMAKER.

11. ANGLO-SAXON (2)—This course is offered primarily for students who intend to specialize in philology or literature, but will prove of value to all students who desire accurate knowledge of the English language. The phonology and grammar of Anglo-

Saxon will be mastered as far as is required by the text-books, and selections representing various periods of Anglo-Saxon prose, together with some verse, will be read. The course will include also the history of the English language. *Text-books:* Bright's Anglo-Saxon Reader; Lounsbury's History of the English Language; Greenough and Kittredge's Words and Their Ways in English Speech. *Required of Seniors whose major subject is English; open to Seniors who have completed English 10.* M. Th. 1. **ACTING PROFESSOR WANNAMAKER.**

12. SHAKESPEARE AND THE ELIZABETHAN DRAMA (3)—The aim of this course is to present Shakespeare with reference to his place in the history of the drama and his connection with his age. The instructor will lecture in the beginning on the principles and technique of the drama, drawing his illustrations principally from *Romeo and Juliet*, *Hamlet*, *Macbeth*, *Lea*, and *Othello*; these plays the student should read or review before reporting to class. The order of the course will then be as follows. The development of the mediæval drama, each student submitting an analysis of the language and dramatic qualities of a miracle or morality; the characteristics and contributions of the classical drama; the social and historical forces of the Elizabethan Age, the work of Shakespeare's immediate predecessors, especially Lyly, Marlowe, Greene, and Kyd; the comedies of Shakespeare as illustrating his temperamental changes and growth in technique; the histories; the tragedies; and the general significance of Jonson, Webster, and Beaumont and Fletcher. Few papers will be required, but these will involve careful research. *Text book.* The Oxford Shakespeare (Clarendon Press), or any good one volume edition. *Open to Juniors and Seniors who have completed English 2.* M. Th. 3; F. 1.

ASSOCIATE PROFESSOR GREEVER.

NOTE.—Students who select English as their major subject are required to take, besides English 1 and 2, the following courses: English 4, 10, and 2 or 3 hours from English 6, 7, 8, 9a, and 9b, in the Junior year. English 11 and 2 or 3 hours from English 6, 7, 8, 9a, 9b, and 12 in the Senior year.

GERMAN.

M. C. G. LENTZ, *Professor.*

I. ELEMENTARY COURSE (3)—Howe's First German Book; translation from German into English, Wigo, by Jacobsen, and Der Ischokoi, by Kraner, with prose composition based on

these texts; Immensee, by Storm; Garmelshausen, by Gerstaecker. M. T. Th. 2; M. W. F. 3; M. W. F. 4; M. W. F. 6; T. Th. F. 7.

2. MODERN GERMAN PROSE (3)—Review of grammatical principles with especial reference to syntax; reading of works by modern authors, such as *Die Nonna*, by Baumbach; *Incognito*, by Groller; *Anfang und Ende*, by Heyse; *Der Bibliothekar*, by Moser; German composition based on the text of Heyse's *L'Ar-rabbiata*. Practice in German conversation. M. T. Th. 1; M. W. F. 2.

2a. INTERMEDIATE GERMAN COMPOSITION AND CONVERSATION (2)—Wesselhoeft's *German Exercises*, Bronson's *Colloquial German*, Pope's *German Composition*. T. Th. 1.

3a. LESSING, GOETHE AND SCHILLER (3)—Lessing's *Minna von Barnhelm*, Goethe's *Tasso*, Schiller's *Maria Stuart*. German Essays on works read. Rolleston's *Lessing*, Sime's *Goethe*, and Nevison's *Schiller*. (For assigned reading see Note). M. W. F. 3.

3b. ADVANCED GERMAN COMPOSITION AND CONVERSATION (2)—Poll's *German Prose Composition*, Groller's *Incognito*, with composition based on the text. Practice in conversation and original composition. This course is conducted partly in German. T. Th. 3.

4a. HISTORY OF GERMAN LITERATURE WITH SPECIAL STUDY OF THE CLASSIC PERIODS OF THE TWELFTH AND EIGHTEENTH CENTURIES (3)—Keller's *Bilder aus der deutschen Litteratur*, Obermann's *Deutscher Minnesang*, Wenkebach's *Die Meisterwerke des Mittelalters*, and other parallel reading. English essays on works read. M. W. F. 4.

4b. MIDDLE HIGH GERMAN (2)—Wright's *Middle High German Primer*, Paul's *Middle High German Grammar*. *Reading*: Weinhold's *Mittelhochdeutsches Lesebuch*, Bartsch's *Walther von der Vogelweide*. T. Th. 4. *Prerequisite*: German 4a.

4c. SCIENTIFIC GERMAN (2)—Brandt and Day's *German Scientific Reading*, Helmholtz's *Populaere Vortraege*, Lassar-Cohn's *Die Chemie im taeglichen Leben*. Outside reading of available German scientific periodicals. T. Th. 2. *Prerequisite*: *Two years of German*.

NOTE.—For the purpose of acquiring a facility in sight reading, and cultivating a taste for modern German literature, each student registered in German 3a, 3b, 4a, 4b, and 4c is required to read, during the college year, not less than five volumes of standard German fiction. A list of novels suitable for such reading can be obtained from the head of the department.

ROMANCE LANGUAGES.

A. MARINONI, *Professor.*

FRENCH.

1. ELEMENTARY COURSE (3)—Reading and composition. Thieme and Effinger's French Grammar, Douay's Elementary French Reader, and other easy texts. M. W. F. 2; T. W. Th. 7.

2. FRENCH PROSE AND POETRY (3)—Composition, sight reading, Conversation. Cameron's French Composition will be used, and representative works of modern French authors will be read. M. W. F. 3.

3. FRENCH LITERATURE OF THE SEVENTEENTH CENTURY (3)—The aim of this course is to obtain a general view of the classic period of French literature. The most important literary productions of the century will be read and analyzed in the class room. Considerable outside reading will also be assigned with written reports from time to time. The course is conducted in French. M. W. F. 1.

3a. FRENCH LITERATURE OF THE EIGHTEENTH AND NINETEENTH CENTURIES (3)—The first term will be devoted to the study of representative works of the Eighteenth Century. In the second term especial attention will be given to the Romantic Movement in France and works from such writers as Lamartine, Vigny, de Musset, Hugo, and others will be read. M. W. F. 6.

4. MODERN FRENCH POETRY (1)—The object in this course is a systematic study of the evolution of French poetry from 1850 to our days. New tendencies in poetry, and the reaction against romanticism as shown in the works of Leconte de Lisle, Verlaine, Baudelaire, Heredia, Prudhomme. The text used in the class room will be *Modern French Lyrics*, by A. Marinoni and Ch. G. Carroll. Hour to be arranged.

4a. FRENCH DRAMA (1)—The evolution of French drama from the origins to the present time. Lectures, written reports, outside reading. One hour, by appointment.

4b. FRENCH SYNTAX (1)—French syntactical forms will be studied from the historical standpoint. Given in even years—1910, 1912, etc.

4c. ADVANCED FRENCH COMPOSITION (1)—This course is open to all students who have had at least two years of French.

UNIVERSITY OF ARKANSAS

LIBRARY

MATHEMATICS AND ASTRONOMY

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ITALIAN.

1. **ELEMENTARY COURSE (3)**—Marinoni's Elementary Italian Grammar, Marinoni's Reader. Composition, conversation. M. W. F. 4.

2. **ADVANCED COURSE (3)**—The first semester will be given to a general survey of the Fifteenth and Sixteenth Centuries, and selections from the works of Macchiavelli, Ariosto, Tasso, will be read. The second semester will be devoted to the study of the *Divinia Commedia*.

3. **DANTE IN ENGLISH (1)**—Only Seniors whose major work is in English can enter this course. One hour, by appointment.

SPANISH.

1. **ELEMENTARY COURSE (3)**—Loiseaux's Grammar; Padre Isla's *Gil Blas* and other easy texts; composition; conversation. M. T. F. 5.

2. **MODERN SPANISH (3)**—Selections from the best productions of the Nineteenth Century will be read; assigned reading; composition; conversation.

NOTE. The Department of Romance Languages receives regularly the following periodicals: *Revue des Deux Mondes*, *Revue Hebdomadaire*, *L'Illustration*, *L'Opinion*, *Le Temps*, *Nuova Antologia*, *Illustrazione Italiana*, *Corriere della Sera*, *España Moderna*.

MATHEMATICS AND ASTRONOMY.

GEORGE W. DROKE, *Professor*.

B. J. DUNN, *Associate Professor*.

A. M. HARDING, *Adjunct Professor*.

JOSEPHINE M. DROKE, *Instructor*.

Mathematics.

12. **ALGEBRA, SOLID GEOMETRY, PLANE TRIGONOMETRY**—4 hours per week. About twelve weeks are given to each subject, Algebra coming first. *Text-book*: Durell's Plane and Solid Geometry. Sections 1 and 2, Tu. W. Th. F., periods 1 and 4.

PROFESSOR DROKE,

ADJUNCT PROFESSOR HARDING,

INSTRUCTOR JOSEPHINE DROKE.

30. **ALGEBRA (first term), PLANE TRIGONOMETRY (second term)**—3 hours per week. M. W. F., period 7. Open to Freshmen who have credit for solid geometry. PROFESSOR DROKE.

1c. ALGEBRA (*first term*), SOLID GEOMETRY (*second term*)—3 hours per week. Sections 1, 2, 3. M. W. F., periods 3 and 4. Required of Freshmen engineers.

ASSOCIATE PROFESSOR DUNN.

INSTRUCTOR JOSEPHINE DROKE.

2c. PLANE TRIGONOMETRY (*first term*), ANALYTIC GEOMETRY (*second term*)—3 hours per week. Sections 1, 2, 3. Tu. W. Th., periods 1, 3, 4. Required of Freshmen engineers.

ASSOCIATE PROFESSOR DUNN.

ADJUNCT PROFESSOR HARDING.

4. ANALYTIC GEOMETRY—3 hours per week. Tanner and Allen's Analytic Geometry. Elective for A. B. students of the Sophomore year. M. W. F., period 2. PROFESSOR DROKE.

4a. ALGEBRA AND ANALYTIC GEOMETRY (*continuation of 2c*)—3 hours per week. Sections 1 and 2. M. W. F., periods 2 and 4. Required of Sophomore engineers.

ASSOCIATE PROFESSOR DUNN AND ADJUNCT PROFESSOR HARDING.

3. ALGEBRA (24 weeks), ANALYTIC GEOMETRY (12 weeks)—3 hours per week. M. W. F., period 6. Elective for A. B. Sophomores who are deficient in Algebra. PROFESSOR DROKE.

5a. ANALYTIC GEOMETRY (*continuation of course 3*)—2 hours per week. Tu. Th., period 3. PROFESSOR DROKE.

4b. DIFFERENTIAL AND INTEGRAL CALCULUS—2 hours per week (Osborne's Calculus). Sections 1 and 2. Tu. Th., period 2. Required of Sophomore engineers.

PROFESSOR DROKE AND ADJUNCT PROFESSOR HARDING.

5b. ALGEBRA (*continuation of Algebra 1a*)—2 hours per week. Elective for A. B. Sophomores. Tu. Th., period 2.

ASSOCIATE PROFESSOR DUNN.

6. DIFFERENTIAL AND INTEGRAL CALCULUS—3 hours per week. M. W. F., period 3. Elective for A. B. Juniors and Seniors.

PROFESSOR DROKE.

6b. ALGEBRA AND CALCULUS—2 hours per week. Tu. Th., period 3. Required of Junior engineers.

ASSOCIATE PROFESSOR HARDING.

The following elective courses are offered, but on account of the limited teaching force not more than two of them may be taken in the same year.

8. SPHERICAL GEOMETRY, PLANE AND SPHERICAL TRIGONOMETRY, THEORY OF EQUATIONS—2 hours per week.

8a. THEORY OF EQUATIONS (*continuation of course 8*)—2 hours per week.

9. (a) DIFFERENTIAL EQUATIONS—3 hours per week. First or second term. Murray's *Differential Equations*.

(b) ANALYTIC GEOMETRY OF THREE DIMENSIONS—3 hours per week. First or second term. Books of reference: C. Smith's and Frost's *Solid Geometry*; Salmon's *Geometry of Three Dimensions*.

9a. MODERN ANALYTIC GEOMETRY—2 hours per week.

10. THEORETICAL MECHANICS—2 hours per week.

12. ADVANCED CALCULUS—3 hours per week.

15. DIFFERENTIAL GEOMETRY—2 hours per week.

NOTE.—Those who make mathematics their major subject must take courses 10, 11, 5b, 6 and 8, or their equivalent. Courses 9, 9a, 12 and 15 may be taken by graduate or undergraduate students.

Astronomy.

16. DESCRIPTIVE ASTRONOMY—2 hours lectures and recitations, with occasional meetings at night for observation. *Text book* Moulton's *Introduction to Astronomy*.

ADJUNCT PROFESSOR HARDING.

17. SPHERICAL AND PRACTICAL ASTRONOMY—2 hours. Astronomical coordinates. Parallax. Time. Use of a sextant and transit instrument, determination of latitude, etc.

ADJUNCT PROFESSOR HARDING.

17a. CELESTIAL MECHANICS—2 hours per week.

HISTORY AND POLITICAL SCIENCE.

J. H. REYNOLDS, *Professor*.

D. Y. THOMAS, *Associate Professor*.

The courses in this department are designed to afford general culture, and in addition are essential to those who are looking to law, journalism, politics, the ministry or any other public calling. Course 2 is foundation work and should be taken in the Freshman year. Other courses are not open to Freshmen.

2. (a) MEDIAEVAL HISTORY (*first term*) (3)—This course is designed to give the student a knowledge of the essential con-

tributions of the ancient world to history, of the reorganization of German society upon the basis of Græco-Roman civilization, and the rise of the modern states.

(b) MODERN HISTORY (*second term*) (3)—Beginning where course (a) leaves off, the class will study the great world movements of modern times, such as the reformation, religious wars, absolutism, the contest for supremacy on the high seas, the French Revolution, and the democratic movements of the Nineteenth Century. English history will also be emphasized, about one period a week being devoted to it. All students seeking a liberal education should take this course. *Text-books:* Robinson's History of Western Europe and his Readings in European History; Cheyney's Short History of England; Richardson's Syllabus. For Freshmen. M. Th. 1; M. F. 2; M. Th. 4; M. F. 6. All sections meet Wednesday, the fifth period.

PROFESSOR REYNOLDS.

ASSOCIATE PROFESSOR THOMAS.

3. THE UNITED STATES SINCE 1783 (*throughout the year*) (3)—After a brief study of the Confederation and of the formation of the Constitution, the subsequent history of the United States will be treated with special reference to political and constitutional development. Special attention will be given to the growth of political parties, the gradual sectional division of the country over slavery and state's rights, and the results of the Civil War and Reconstruction. Much library work will be required. M. W. F. 4.

ASSOCIATE PROFESSOR THOMAS.

4. (a) AMERICAN STATE GOVERNMENT (*first term*) (2)—A study of the place of the state in our federal system, of the constitutional law of the states; of the structure and workings of American state governments as they exist today, and of some of the practical problems now before the states, such as the initiative and referendum, control of corporations, legislative reference, proportional representation.

(b) POLITICAL PARTIES (*second term*) (2)—Organization and workings of political parties. The caucus, the convention, the boss, the primary; methods of state control. Largely a library and lecture course. M. F. 2.

PROFESSOR REYNOLDS.

5a. HISTORY OF ENGLAND (*throughout the year*) (3)—A general culture course covering the whole of English History, treat-

ing alike the political, the literary, the religious, and the economic activities of the people. The origin and growth of the more important institutions, such as the kingship, parliament, cabinet, courts, and church; the reformation, the literature, the economic changes; the struggle for constitutional government and the colonial system will all receive attention. Primarily for Sophomores.

PROFESSOR REYNOLDS.

5. (a) ENGLAND UNDER THE TUDORS AND THE STUARTS (*first term*) (3)—A study of the political, religious, literary and economic history of England during these two periods.

(b) THE BRITISH EMPIRE (*second term*) (3)—While a brief survey of the general history of England through the eighteenth and nineteenth centuries will be made, the attention of the class will be mainly devoted to a study of England's colonial history and of the forces that have developed the British Empire of today. An analysis of the present imperial policy will be given. A library and lecture course. *Prerequisite: History 2 or Junior standing.* M. T. Th. 2.

PROFESSOR REYNOLDS.

6. (a) NATIONAL GOVERNMENT (*first term*) (3)—A study and comparison of the structure and powers of the national governments of England, United States, France, Germany, and Switzerland. Special emphasis will be given to the place of the federal system in public law. *Text book:* Burgess's Political Science and Constitutional Law, and the constitutions themselves.

(b) INTERNATIONAL LAW (*second term*) (3)—A brief sketch of the history of international law, and a study of the principles now considered binding on civilized nations. For Juniors or Seniors who have had three hours of college history. *Text-book:* Davis's Elements of International Law. Considerable library work will be required. T. W. F. 3.

ASSOCIATE PROFESSOR THOMAS.

1. (1) HISTORY OF GREECE (*first term*) (2)—This course is designed to give a thorough knowledge of the history and the institutions of the Greeks. A general knowledge of the subject is presumed.

(b) HISTORY OF ROME (*second term*) (2)—The explanations made above in regard to the history of Greece apply to this course.

ASSOCIATE PROFESSOR THOMAS.

Not offered in 1910-11.

7. (a) FRENCH REVOLUTION AND THE NAPOLEONIC ERA (*first term*) (2)—France on the eve of the revolution, her political philosophers; causes and events of the revolution, and the wars of Napoleon.

(b) THE NINETEENTH CENTURY (*second term*) (2)—The democratic movement of the century; the development of constitutional government; the unification of Italy and Germany; and the present condition of world politics. Tu. Th. 4.

(c) LABORATORY (1)—Throughout the year. Laboratory work two hours a week in contemporary European History. For this purpose a room is equipped with tables, chairs and with current German, French and English periodicals, Statesman's Year Book, Annual Register, Who's Who, World's Almanac, atlases, maps, cyclopaedias, and general histories. In the laboratory each student will study present day European events and problems and their historical setting; periodical reports on topics and frequent conferences with instructors. A reading knowledge of German or French, while not required, will be helpful.

PROFESSOR REYNOLDS.

ASSOCIATE PROFESSOR THOMAS.

9. (a) THE UNITED STATES 1703-1783 (*first term*) (2)—The Colonies in their relations to the mother country with special reference to the attempt at imperial taxation. Particular attention will be given to the literature of the period as preparing the colonists for separation. The steps leading to the Declaration of Independence will be traced in detail; also the failure of the Confederation and the formation and adoption of the Constitution.

(b) THE CIVIL WAR AND RECONSTRUCTION (*second term*) (2)—The first part of this course will deal mainly with the events leading up to the war; the second with the political, economic and social phases of Reconstruction. *Prerequisite*. Six hours of history. T. Th. 6.

ASSOCIATE PROFESSOR THOMAS.

Offered in 1910-11.

10. RECONSTRUCTION IN ARKANSAS (*Seminar*) (1)—A study from original sources of the history of reconstruction in typical counties of Arkansas. Students will gather in the summer the data from county records, newspaper files, interviews, etc., and after numerous conferences with the instructor the following year they will prepare papers or monographs.

PROFESSOR REYNOLDS.

ECONOMICS AND SOCIOLOGY.

C. H. BROUGH, *Professor.*

NEIL CAROTHERS, *Associate Professor.*

J. J. DULANEY, *Instructor.*

The courses offered in this department are designed to give instruction in the fundamentals of economic theory and the problems of current economic, social and public interest, and to prepare students for the duties of citizenship and participation in the professions of law, politics, journalism, and financiering in short, for business and professional careers.

Economics 1 is a prerequisite for all courses except 2, 7 and 9. Courses 6, 7 and 8 are open to Juniors and Seniors only.

1. PRINCIPLES OF ECONOMICS (*both terms*) (3) *Texts:* Bullock's Introduction to the Study of Economics; Seligman's Principles of Economics, with assigned reading in special topics, such as the trusts, tariff, labor, taxation, etc. Prerequisite to all economic courses except 2, 7 and 9. Section 1, M. Tu. Th. 1; section 2, M. W. F. 2; section 3, M. W. F. 3; section 4, M. W. F. 4; section 5, M. 3, T. 1, Th. 1.

2. BUSINESS LAW (*both terms*) (3) — A study is made in this course of the laws of Arkansas, the law of bills, cheques and notes, contracts, agency, and the elements of business law. The regular text book work will be supplemented by lectures by President Tillman, of the University, formerly Circuit Judge, on topics connected with the course, and by moot court work in the law club which meets Saturday afternoon. Membership in this law club, however, is not compulsory. *Texts:* Kirby's Digest of Arkansas Laws; Huffcut's Elements of Business Law; Harriman on Contracts. T. 6, W. 1, F. 1.

3. (1) TRANSPORTATION AND ITS PROBLEMS (*first term*) (3) — The railway systems of the United States and foreign countries, railroad geography, rate making, government versus private ownership and control, and the enlargement of the powers of the Interstate Commerce Commission are considered. *Texts:* Johnson's American Railway Transportation; Johnson's Ocean and Inland Waterway Transportation, supplemented by lectures, assigned readings, Reports of the Interstate Commerce Commission, and Newcomb's Facts About Railroads. M. 5, T. 2, Th. 2.

(b) MONEY AND BANKING (*second term*) (3)—The theory of money, banking and credit is considered, and current financial problems and practical banking is stressed. Special stress is given a consideration of the Independent Treasury system and the pending proposal of a Central Bank for the United States. *Texts*: White's Money and Banking (revised edition); Fiske's The Modern Bank.

4. (a) INSURANCE (*first term*) (3)—A thorough study of life, fire, accident, liability, industrial, and marine insurance, of the work of the insurance agent, and the policies of insurance companies. *Texts*: Alexander's The Life Insurance Company; Insurance (Special Volume of the Annals of the American Academy). In this course opportunity is given to contest for two valuable prizes offered by the A. B. Banks Company, of Fordyce, and Mr. W. B. Collins, of Fort Smith, aggregating \$55 M. 6, W. 6, F. 6.

(b) INSURANCE AND TRUST FINANCE (*second term*) (3)—A continuation of the study of insurance and an intensive study of the forms of corporate organization. *Texts*: Annals of the American Academy (special volume); Mead's Trust Finance. M. 6, W. 6, F. 6.

5. (a) FINANCIAL HISTORY OF THE UNITED STATES AND PUBLIC FINANCE (*first term*) (3)—A thorough investigation is made of the financial history of the United States, and an intensive study is made of the problems of taxation, municipal ownership, and financial administration. *Texts*: Dewey's Financial History of the United States; Seligman's Essays on Taxation; supplementary readings in Whinery's Municipal Works, Porter's Dangers of Municipal Ownership, the Report of the Civic Federation, and Fairlie's Municipal Administration. M. 7, T. 4, Th. 4.

(b) ECONOMIC HISTORY OF THE UNITED STATES (*second term*) (3)—A comprehensive study is made of the evolution of our industrial history, emphasis being placed on the present day development of the United States along all lines. *Texts*: The World's Almanac (current issue); Bogart's Economic History of the United States, supplemented by readings in the files of the current periodicals. M. 7, T. 4, Th. 4.

6. (a) SOCIALISM AND SOCIAL REFORM (*first term*) (2)—A study of socialism and social reform, involving a consideration of such practical questions as the government ownership and con

trol of public utilities, the single tax, and cooperation. *Text:* Ely's Socialism and Social Reform. Collateral reading in George's Progress and Poverty; Gilman's Socialism and the American Spirit, and current periodicals. Frequent lectures on different phases of socialism. T. 6, Th. 6.

(b) THE LABOR QUESTION (*second term*) (2)—A study of the purposes and fundamental principles of trades unions, strikes, lockouts, boycotts, blacklists, arbitration, conciliation, and injunction, both from the standpoint of the laborer and capitalist. *Texts:* Mitchell's Organized Labor; Bolen's Getting a Living. T. 6, Th. 6.

7. (c) PRINCIPLES OF SOCIOLOGY (*first term*) (2)—This course considers the elements of social growth and progress, describes social institutions, and suggests practical social reforms. *Text:* Wright's Practical Sociology. Supplementary readings on population, immigration, liquor, divorce, prison administration, and slum problems. T. 7, Th. 7.

(d) MODERN METHODS OF CHARITY (*second term*) (2)—A study of the problems of poverty, its causes, results, and remedies, together with questions of poor relief and organized charity. *Text:* Devine's Methods of Poor Relief. T. 7, Th. 7.

8. ECONOMIC PROBLEMS OF THE PRESENT (*both terms*) (3)—Lectures, debates, and discussions of the tariff, trust, labor, ship subsidy, railroad, government ownership, municipal monopoly, socialism, income tax, inheritance tax, injunction, land reform and prohibition problems. One period each week is devoted to lectures by the Professor in charge on these current economic questions; one, to debates by members of the class; one, to discussions and reports on these questions in class. No regular texts are used, but Congressional Records, books, and current periodicals are freely consulted. M. 6, T. 5, Th. 3.

9. ENGINEERING LAW (*both terms*) (3)—Elective for Juniors and Seniors in engineering. Lectures and recitations three times a week. *Texts:* Kirby's Digest of Arkansas Laws; Johnson's Contracts and Specifications; Wait's Engineering and Architectural Jurisprudence. M. 4, Th. 2, F. 4.

10. ECONOMIC LAW (*both terms*) (3)—A study of labor and corporation law and the law of injunctions, with special reference to current economic problems. *Texts:* Stimson's Handbook of Labor Law, Clark on Corporations, lecture notes and references to Beach and High on Injunctions. T. 3, W. 3, F. 3.

CHEMISTRY.

CHARLES G. CARROLL, *Professor.*H. E. MORROW, *Associate Professor.*

1. ELEMENTARY CHEMISTRY (3)—Lectures and recitations two hours a week; laboratory exercises one afternoon a week. *Prerequisite: Preparatory physics.*

ASSOCIATE PROFESSOR MORROW.

1a. ELEMENTARY CHEMISTRY (2)—Two hours per week in addition to the work of chemistry 1. Required of students in the course in Agriculture; second term of the Freshmen, and first term of the Sophomore year. ASSOCIATE PROFESSOR MORROW.

2. GENERAL INORGANIC CHEMISTRY (2) Lectures and recitations two hours per week. Smith's General Inorganic Chemistry is the text-book used. M. I, W. I. PROFESSOR CARROLL.

2a. LABORATORY EXERCISES TO ACCOMPANY CHEMISTRY 2 (1-2) Smith's Laboratory Outline of General Chemistry is used as a basis. PROFESSOR CARROLL.

3. ELEMENTARY ORGANIC CHEMISTRY (2) Lectures and recitations twice a week. Remsen's Organic Chemistry is the text-book used. *Prerequisite: Chemistry 1.*

ASSOCIATE PROFESSOR MORROW.

3a. LABORATORY EXERCISES IN ORGANIC CHEMISTRY (1-2)—To accompany chemistry 3. ASSOCIATE PROFESSOR MORROW.

4. ADVANCED ORGANIC CHEMISTRY (3)—Lectures and recitations three hours per week. *Prerequisite: Chemistry 3.*

ASSOCIATE PROFESSOR MORROW.

4a. ORGANIC PREPARATIONS (1-2) Exercises in organic chemistry, with the manuals of Gattermann, Levy, Fischer as a basis. This course should be taken in connection with Chemistry 4.

ASSOCIATE PROFESSOR MORROW.

5. QUALITATIVE ANALYSIS (2-3)—One lecture or conference per week, with laboratory work, during either term or throughout the year. *Prerequisite: Chemistry 1.*

PROFESSOR CARROLL.

ASSOCIATE PROFESSOR MORROW.

6. QUANTITATIVE ANALYSIS (2-5)—One lecture or conference per week with laboratory work, for one term or during the year. The credit given will depend on the quality of the work and the number of determinations made. The course will be varied to suit the needs of individual students. *Prerequisite: Chemistry 5.*

PROFESSOR CARROLL.

7. QUANTITATIVE ANALYSIS (2-5)—Occasional lectures and conferences. More complicated gravimetric and volumetric processes of analysis. Credit determined as for Chemistry 6.

PROFESSOR CARROLL.

8. QUANTITATIVE ANALYSIS (2-5)—A continuation of course 6 or course 7. The work done will be varied to suit the needs of the student. Engineering students may perform exercises in technical gas analysis, the analysis of fuels, oils, etc. *Prerequisite: At least 1½ hours of Chem. 5 and Chem. 6.*

PROFESSOR CARROLL.

9. WATER ANALYSIS (2-3)—A course in the methods of sanitary and technical water analysis, primarily for engineering students. The discussion and interpretation of results of the various analyses will be illustrated in occasional lectures and conferences. *Prerequisite: At least 1½ hours of Chem. 5 and Chem. 6.*

PROFESSOR CARROLL.

10. ELECTRO-CHEMICAL ANALYSIS (2-5)—Quantitative analysis by electrolysis. Laboratory exercises with occasional lectures during the year or either term.

PROFESSOR CARROLL.

11. PHYSICAL CHEMISTRY (3). Lectures three hours per week for one term. *Prerequisite: Chem. 1 and a certain amount of Chem. 5 and 6; Mathematics 1a; Physics 1, 1a.*

PROFESSOR CARROLL.

11.1. LABORATORY EXERCISES IN PHYSICAL CHEMISTRY (2-3). To accompany Chemistry 11.

PROFESSOR CARROLL.

12. ELECTRO-CHEMISTRY (3). Elementary, theoretical and applied electro-chemistry. *Prerequisite: Physics 2, Chem. 1.* Lectures and laboratory exercises during one term.

PROFESSOR CARROLL.

13. HISTORY OF CHEMISTRY (2)—Lectures, assigned readings and reports, during one term.

PROFESSOR CARROLL.

14. CHEMISTRY COLLOQUIUM (1)—Readings and discussions one hour per week, during the year. For the year 1907-1908 Glaser's *Indicatoren der Acidimetrie und Alkalimetrie* was the basis of work.
PROFESSOR CARROLL.

15. RESEARCH WORK—Problems in research will be given to graduate students and to others competent to undertake such work. A reading knowledge of German and of French is indispensable.
PROFESSOR CARROLL.

16. JOURNAL MEETING (1)—The instructors and advanced students of this department and of the department of physics meet once a week for discussion of articles in the current chemical and physical journals, and to report on their own investigations. Thursday: 7:30-8:30 p. m.

BIOLOGY.

F. W. PICKEL, *Professor.*

The courses of this department have been arranged to meet the needs of three classes of students: those who desire to become acquainted with the fundamental principles of plant and animal life; those who contemplate the study of medicine; and those wishing to go more thoroughly into the study of biological science to obtain the technical training necessary for subsequent investigation or for teaching.

1. GENERAL BIOLOGY (3)—This course serves as an introduction into the whole field of biological science, and should be a part of the general education of every student. Types of plants and animals will be dissected and studies in the laboratory, and the essential truths of biology emphasized. One recitation and laboratory work, four hours per week throughout the year. Tu Th. 6 and 7, F. 6.

2. BOTANY (3)—In this course special attention is paid to the morphology, physiology, and ecology of plants, but due attention is given in the second term to the systematic classification of plants, and each student is required to collect and write a technical description of a certain number of plants. The geological history of plants and the origin of cultivated plants will be briefly considered. Field work, when practicable, will form an

important feature of the course. Recitations and laboratory work six hours per week throughout the year. M. W. 6 and 7; F. 7.

3. **ADVANCED BOTANY (3)**—A lecture and laboratory course on the morphology, physiology and the diseases and injuries of plants. One lecture and four hours' laboratory work per week throughout the year. *Prerequisite:* Botany 2. Tu. Th. 5 and 6; F. 4.

4. **BACTERIOLOGY (4)**—An introduction to the subject, and instruction in laboratory technique—the preparation of nutrient media, the characteristics of bacteria, the kind and effects, isolating and keeping pure cultures, microscopical preparations, the study of bacteria found in soil, in water, and in air; study of pathogenic forms and their relation to disease. One lecture and six hours' laboratory work per week throughout the year. *Prerequisite:* Chemistry 1, Biology 1. M. 1, Tu. W. F. 2 and 3.

5. **GENERAL ZOOLOGY (3)**—A general course in invertebrate and vertebrate morphology. Attention will be given to the fundamental facts of zoological science, and the laws of development, heredity, variation, correlation, etc. In connection with the laboratory work in the course, instruction will be given to such students as desire to learn methods of preparing bird skins and mammal skins for laboratory and museum specimens. Field work, when practicable, will form an important feature of the course. One recitation and four hours' laboratory work per week throughout the year. M. F. 3 and 4, W. 5.

6. **COMPARATIVE ANATOMY OF VERTEBRATES (3)**—Recitations and demonstrations dealing with the comparative anatomy of acrania, cyclostomes, sharks, fishes, amphibians, reptiles, birds and mammals. Laboratory work on selected types of the different groups. One recitation and four hours' laboratory work per week throughout the year. *Prerequisite:* Biology 1, or General Zoology 5. M. 2, W. F. 1 and 2.

7. **ANIMAL HISTOLOGY AND EMBRYOLOGY (5)**—This course is offered to students intending to study medicine, but is open to any student who has completed biology 1. It consists of instruction in histological and embryological methods of technique to acquaint the student with the principles of histology and embryology. Two lectures and six hours' laboratory work per week throughout the year. Tu. Th. 1, W. F. 2, 3, 4.

8. **PHYSIOLOGY (4)**—The physiology of foods, digestion, and nutrition; the blood circulation, and respiratory mechanism; the

excretion, especially analysis of urine; functions of brain and spinal cord; physiology of nerve and muscle. Two lectures and four hours' laboratory work a week throughout the year. *Prerequisites:* *Chemistry 1, Elementary Physiology, M. 5, Tu. Th. 2 and 3.*

9. NATURE STUDY (1)—A special course in nature study, its aim, methods, etc., and systematic science teaching will be offered to students who expect to teach. One lecture per week throughout the year. *Prerequisite: Biology 1.*

GEOLOGY AND MINING.

A. H. PURDUE, *Professor of Geology and Head of the Department.*

A. A. STEEL *Professor of Mining.*

Geology.

The several courses in geology are intended to supply the need of:

1. Students who wish to ground themselves in the elements of the science with the view of making it a life work. Of such, courses 2, 3, 5, 7 and 8 are required.

2. Students taking the course in mining engineering, of whom courses 2, 3, 5, 7 and 9 are required.

3. Students in agriculture, to whom course 1 or 2 is recommended.

4. Students desiring a general educational knowledge of the subject to whom course 2 is recommended.

5. Students who are preparing themselves to teach physical geography and physiography, to whom course 1 or 6 is recommended.

Mining Engineering.

The four years' course in mining engineering outlined on page 81 is planned to give that instruction in the underlying principles of geology and mining engineering, which can be acquired only with great difficulty outside of the colleges. Effort will be made to train the student in original thinking and the ready adaptation of means to the unusual conditions so common in mining.

The practical work of mining, metallurgy, and ore dressing can be learned so much more rapidly and effectively by actual work that no laboratory instruction in these lines is offered at the University. The students are expected to spend parts of at least two summer vacations at ordinary day's work in some mine, mill or smelter, where they will be expected to ask questions of the workmen and keep notes of their observations, and compute the costs of some detailed operations. This plan, besides preparing the students for the study of the principles involved in their work, also gives them a useful knowledge of the workmen with whom they must deal, and tends to break down the prejudices on both sides.

This course in mining is designed to make specialists in mining geology and mining operating, rather than all-around technical men. Hence a large part of the student's time is spent upon work in the department of geology and mining, but the necessary fundamental work in mathematics and applied science is not slighted, and enough work is required in the other technical departments to enable the graduates to solve the simpler problems of civil, mechanical, and electrical engineering, and metallurgy, and to judge of the qualifications of specialists in these lines, when in charge of large properties. There is also enough laboratory and field work required to fit the young mining engineer to do all the analytical work, assaying, surveying, drafting, and designing needed at the average mine, while he is acquiring the experience and prestige necessary for more responsible and executive positions.

While the course is not especially exacting, it is severe and should be undertaken only by students well prepared mentally and in good health. To accomplish all the work well, the average student will have to devote seven or eight hours per day, six days per week, to his college work during the academic year.

Geology.

1. **PHYSIOGRAPHY** (3) —An elementary course suited to Freshmen, and adapted to the needs of teachers of physical geography in secondary schools. *Text:* *Physiography*, by R. D. Salisbury M. T. W. 6 and 7.

PROFESSOR PURDUE.

2. **GENERAL GEOLOGY** (3) —The geological work of the atmosphere and water (including streams, lakes, the ocean, and

underground water); glaciers and glaciation; organic agencies; igneous and sedimentary rocks; structural geology; diastrophism; historic geology. Recitation three times a week. *Text*: Branner's Syllabus of General Geology, supplemented by Chamberlin and Salisbury's Geology. *Prerequisite*: Chemistry 1. M. T. W. 2. PROFESSOR PURDUE.

3. PRACTICAL GEOLOGY (3)—Field and laboratory work nine hours a week throughout the year, with the construction of geologic maps and sections, and topographic maps.

PROFESSOR PURDUE.

5. CRYSTALLOGRAPHY AND MINERALOGY (3) (a) Lectures and recitations three hours a week during the first term on the elements of geometric crystallography.

(b) Laboratory work (three-hour periods) three times a week following course (a) and extending through the year. Determination of minerals before the blowpipe, and in the wet way. *Text*—Determinative Mineralogy, Brush. *Required of students in geology, mining and civil engineering*. *Prerequisite*: Chemistry 1. Th. F. 5, 6, 7, 8. ASSOCIATE PROFESSOR STEEL.

7. ECONOMIC GEOLOGY (3) Lectures, with collateral reading, on the formation, modes of occurrence, uses and geographic distribution of economic geological products. Second term. *Required of students in geology and mining*. *Prerequisites*: Chemistry 1, Geology 2.

PROFESSOR PURDUE.

Students who take major in geology are required, in their senior year, to prepare a report including maps, sections and other necessary illustrations of some area of the geology of which they have worked out.

Mining.

1. INTRODUCTORY COURSE (2)—Descriptive treatment of a few of the more common methods of mining now practiced, preliminary to the study of actual mining during the summer vacation. A general basis for later detailed and critical courses. Lectures or recitations twice a week during second term. *Prerequisites*: Chemistry 1, Physics 1.

PROFESSOR STEEL.

2. DETAILS OF MINING OPERATIONS (2)—Methods, tools, rate of progress and comparative cost of; excavation of earth; drilling and blasting of rock; driving and timbering of tunnels in hard and soft ground; boring for various purposes, and shaft sinking and timbering. Also a discussion of the nature and use of common explosives, and the special methods of mining. Outside reading with lectures or recitations twice a week throughout the year. *Prerequisites: Mining I.*

PROFESSOR STEEL.

3. ADVANCED MINING (3)—(a) A critical study of the different methods of exploration, development and working of mineral deposits. Practice in selecting the methods best suited to certain assigned conditions, and combining the good features of various established systems of mining. Lectures or recitations three times a week the first ten weeks of the year.

(b) MINING ADMINISTRATION—Organization of staff for large and small mines; purchase of supplies and disposal of product; management of labor; elements of mining law; mine accounts and cost sheets. Three times per week for seventeen weeks following course (3a).

(c) MINE EXAMINATIONS—Sampling of ore bodies; estimation of average value, and available and probable tonnage of ore in the mine; character and form of maps and expert reports. Outside drawing and lectures or recitations three times a week last seven weeks of the term.

This course is open only to students whose major is taken in the department of Geology and Mining. PROFESSOR STEEL.

4. ENGINEERING PROBLEMS OF MINES (3)—(a) Applications of civil engineering to mining. Surface and underground handling, transportation and storage of minerals; mine buildings, trestles, ore bins, etc.; mineral railroads, common roads; water supply; drainage of mines; methods of ventilation; accident to men; underground surveying. Lectures and conferences three times a week, first term, with outside reading, designing and detailed drawing. *Prerequisites: C. E. 2 and 3; M. E. 4 and 9.*

PROFESSOR STEEL.

(b) MINE PLANT—Description and critical discussion of the mechanical equipment of mines; hoisting engines, ropes, skips, cages, and head frames; various types of pumping machinery;

air compressors and the transmission of power by compressed air; machine drills; mine cars and tracks; underground haulage plant; practice in the selection of mining machinery from trade catalogues. Lectures and conference three times a week, second term. Outside reading and detailed drawing. *Additional prerequisite: M. E. 5. Either term may be elected separately.*

PROFESSOR STEEL.

8. ORE DRESSING—General principles and theory of ore dressing; hand dressing; cleansing, crushing, sizing and classifying; jigging sized and unsized products; table concentrating, stamp milling of gold and silver ores; descriptions of typical ore dressing works; practice in outlining schemes of ore dressing under assigned conditions. *Text-book:* Richard's Ore Dressing. Recitations and conference twice a week, two terms. *Prerequisites: Geology 5, Mechanical Engineering 4 and 5.*

PROFESSOR STEEL.

Metallurgy.

1. GENERAL METALLURGY (1½ or 3)—Elementary study of fuels and furnaces and the metallurgy of iron and steel, copper, lead, silver and gold. Lectures or recitations three times a week first term. M. F. W. 4. If desired by a sufficient number of students the course will be continued through the second term, taking up the metallurgy of the minor metals and the more important wet chemical methods of extracting the metals from their ores. *Prerequisite: Chemistry I.* PROFESSOR STEEL.

2. ASSAYING (1 or 1½)—Fire assaying of various classes of ores and furnace products for gold, silver and lead. Laboratory work four or six hours a week on Saturdays, with occasional lectures and recitations, second term. *Text-book:* Rickets and Miller. *Prerequisite: Chemistry I.* PROFESSOR STEEL.

PHILOSOPHY AND PEDAGOGY.

W. S. JOHNSON, *Professor.*

ROSE BLAND, *Training Teacher.*

GUYON CARNES, *Critic Teacher.*

The object of the courses offered in this department is (a) to afford general culture, and (b) to train those who expect to enter

professional life, especially law, medicine, the ministry and teaching.

For those contemplating the professions of law, journalism and business, the following courses are recommended: 7, 8 and 9. Medicine: 7, 8 and 10; Teaching: 1, 3, 4, 5 and 6.

For the required course of study in the normal department, and the conditions under which the certificate of Licentiate of Instruction is granted, see pages 86-88.

Students selecting pedagogy as a major are required to take the following courses: 1 or 8a, 3, 4 or 8b, 5 and 6. The completion of these courses as a part of the work offered for the B. A. degree entitles the student to the Normal Diploma also, under conditions as given on pages 86-88.

1. **ELEMENTARY PSYCHOLOGY** (*first term*) (3)—This course serves as an introduction to pedagogy. The course though open to all students in the collegiate department, is especially designed for the students in the normal department. The different functions of the mind are studied from the physiological and experimental standpoint. It is intended to make it as concrete as possible—by a study of the nervous system, and by experiments to demonstrate the action and interaction between the mind and the nervous tissue. *Text-books*. Buell's *Essentials of Psychology*, Gordy's *New Psychology*. **M. W. F. 1, and M. W. F. 2.**

2. **SCHOOL MANAGEMENT** (1). This course serves as a general introduction to teaching and school management. It is open to all students of the University—both preparatory and collegiate. It is especially designed for those students who teach during the vacation or who expect to teach for only a short time. Students may attend these lectures without enrolling as members of the class. *Text-book*: Dinsmore's *Teaching a District School*. **Th. 8.**

3. **SCIENCE OF INSTRUCTION** (2)—The methods discussed are based on psychology. The broader generalization of the science of education are studied, and the student learns to apply the principles of psychology to the work of teaching. During the first term the method of the recitation is studied, the special methods during the second term. Students may enter the second term. *Text-books*. McMurray's *Method of Recitation*, and *Special Methods*. **T. Th. 1, and T. Th. 2.**

4. **HISTORY OF EDUCATION** (*second term*) (3). This course includes the study of the educational systems and methods of

ancient, mediæval and modern nations; lives and theories of educational reformers; growth of education in the United States and in the State of Arkansas. *Text-books:* Monroe's Brief Course in the History of Education; Arkansas School Law. M. W. F. 1, and M. W. F. 2.

5. CHILD STUDY (4)—In this course it is intended to make a practical application of the principles studied in courses 1, 3, 4 and 6a. The characteristics of children as seen in the school-room, at home and at play will be carefully studied. Topics assigned and discussed at the general critiques which are held twice each week. Daily practice teaching in the model school.

6. (a) EDUCATIONAL PSYCHOLOGY (*first term*) (2)—This course applies the principles of psychology to the school-room. Special attention is given to such subjects as the sources of interest, the characteristics of imitation, heredity, attention, memory, imagination, emotions, will, and character. *Text book:* Garlick and Dexter's Psychology in the School-room.

(b) SCHOOL ECONOMY (*second term*) (2)—Such subjects are discussed as school revenues and expenditures, school sanitation, course of study, grading the school in relation to society, government, and institute work. Assigned readings and reports.

7. ABNORMAL PSYCHOLOGY (1)—This course is designed to supplement course 8, and to discuss especially the psychological conditions and mental phenomena of sleep, dreams, hypnotism, somnambulism, sanity, insanity, illusion, hallucinations, mind reading, etc. This, as well as course 8, will be especially valuable to those students who expect to study law or medicine. It is intended to throw light on many of the peculiarities of mental life as exhibited in mankind. Lectures, discussion of reports. *No prerequisite (though desirable to be accompanied or preceded by course 1 or 8).*

8. (a) GENERAL PSYCHOLOGY (*first term*) (3)—This course discusses the general principles of the thought process. The mind is studied from the physiological, experimental, comparative and introspective points of view.

(b) LOGIC (*second term*) (3)—An introductory course in inductive and deductive reasoning. *Text-book:* Creighton's Introductory Logic. M. W. F. 7. *Open to Juniors and Seniors only.*

9. (a) ELEMENTS OF ETHICS (*first term*) (2)—The bearing on the standing of the theories of evolution, sociology, biology, economics, and political economy, as applied to real life. *Text-book*: Paulsen's *A System of Ethics*.

(b) INTRODUCTION TO PHILOSOPHY (*second term*) (2)—This course is designed to present in an elementary way the principal philosophical problems. It may properly be taken by all who desire an acquaintance with philosophy as a means of culture. *Text-book*: Paulsen's *Introductory to Philosophy*.

PHYSICS.

G. E. RIPLEY, *Professor*.

The following courses are given in order to meet the needs of the student of agriculture, of arts, of engineering and of natural science as well as for those students who may desire to pursue the subject for teaching or investigation purposes:

(a) ELEMENTARY PHYSICS—First semester.

(b) ELEMENTARY PHYSICS—Second semester. This is a continuation of (a).

Two hours a week are devoted to class work and two hours a week are devoted to work in the laboratory.

Required of those students who have not presented physics for entrance before course one can be taken, as also of those students in the preparatory department who take physics. *Text used*: Millikan and Gale, *A First Course in Physics*.

1. GENERAL PHYSICS (3)—Two hours a week throughout the year are devoted to recitation work and two hours a week to work in the laboratory. Must be preceded by (a) and (b) or their equivalent. *Required of all engineering students, elective for others who have had or are taking Freshman mathematics*. M. W. 3; T. Th. 3; T. F. 4; M. T. W. Th. 6, 7.

2. GENERAL PHYSICS (3)—A continuation of course 1. Lectures and recitations three hours a week throughout the year. *Required of Sophomores in electrical engineering; elective for others who have had course 1*. Special emphasis is placed upon mechanics, heat and electricity. M. T. W. 1:

2a. LABORATORY WORK (2)—Four hours a week throughout the year. The work must be taken the same year as course 2.

A knowledge of calculus is desired. The work will include measurement of moment of inertia, torsion, center of mass, coefficient of friction and of elasticity, thermal expansion, conduction, Ohm's law, capacity, high and low potentials, photometry, etc. F. 5, 6, 7, 8.

3. **EXPERIMENTAL PHYSICS (4)**—Lectures and recitations from lessons assigned in text book. Will include many demonstrations, experiments and problems with a systematic development of the important laws and principles of the subject and the application of the same to our every day life. Three hours a week are devoted to class work and two hours a week to work in the laboratory.

This course is offered for those students who desire to acquire some knowledge of the important principles of physics but do not care to go further in the subject. This course is open to any student of college grade who has had college algebra and geometry.

4. **MECHANICS (1½)**—First semester. Five hours a week, mostly laboratory work. *Prerequisite: Course 1.* Elective for students of agriculture if followed by course 5.

5. **HEAT (1½)**—Second semester. Five hours a week, mostly laboratory work. *Prerequisite: Course 4.*

6. **ELECTRICAL MEASUREMENTS (2)**—First semester. In certain cases course 6 may be taken in place of course 5; otherwise it must be preceded by courses 4 and 5. Four hours a week are given to work in the laboratory and two hours a week to recitations and discussions. The theory of electrical measuring instruments and of electrical measurements is discussed in the class work, and in the laboratory the student will calibrate measuring instruments and test the properties of conductors, electrolytes and dielectrics.

7. **LIGHT (2)**—Second semester. Four hours' laboratory work and two hours' class work per week. The class work will deal largely with the modern theory of light and a discussion of the recent discoveries in this field. There will be some work in spectroscopy. The laboratory work will include use and study of the photometer, optical bench, interferometer, optical pyrometer, etc.

Courses 6 and 7 may be taken by students expecting to study medicine, but must be preceded by course 1.

8. MATHEMATICAL PHYSICS (3)—Three hours a week throughout the year. *Prerequisite: Courses 1, 4 and 5 or 6 and 7. A knowledge of calculus is required.*

9 and 9a. This course is arranged for students of chemistry and must be preceded by course 1. This work will deal largely with osmosis, vapor density, diffusion and electro-chemistry.

10. ACOUSTICS—Second semester. Two recitations a week and four hours' work in the laboratory. This will include a study of wave motions, emphasis being placed upon sonorous and electrical vibrations.

11. THE TEACHING OF PHYSICS—This course is arranged for those students who contemplate teaching physics in the secondary schools.

This work will take up a study of the methods of presenting the subject both in the class-room and in the laboratory. Reports will be made upon the different topics. The various secondary texts and manuals will be discussed and used in making the reports. *Prerequisite: Courses 1, 4, 5, 6 and 7.*

12. JOURNAL MEETING—Together with the department of chemistry, the instructors and students of the department of physics meet once a week, on Thursday, for report and informal discussion of articles in the current physical and chemical journals, and of such researches as may be carried on in the departments. Attendance is required of all students in the advanced classes.

MECHANICAL ENGINEERING.

B. N. WILSON, *Professor of Mechanical Engineering and Superintendent of Mechanic Arts.*

B. MITCHELL, JR., *Associate Professor of Mechanical Engineering and Assistant Superintendent of Mechanic Arts.*

H. W. DEAN, *Instructor in Mechanical Engineering.*

W. E. DUCKWORTH, *Instructor in Mechanical Engineering.*

W. T. CRIPPIN, *Engineer.*

Two courses are offered, a four-year course leading to the degree of B. M. E. (see page 70), and a short course of two years for which a certificate is given (see page 89).

While a major part of a course in mechanical engineering necessarily consists of scientific and technical studies, the four years' course affords a good general education.

The course provides suitable training for young men having in view positions in the management of manufacturing processes, or plants where machinery is used extensively.

Besides the mathematical and scientific studies which constitute the necessary preparation for the study of engineering branches, instruction is given in mechanics, machine design, theory of steam and gas engines, etc. Special attention is given to the practical application of the truths and theories taught in the class-room, a part of the time being devoted to shop work, drawing and laboratory practice.

Sufficient instruction is given in the theory and use of electrical machinery to enable the student to use it intelligently.

In the Senior year the student is offered an elective in the branch of mechanical engineering in which he wishes to specialize.

SHOP WORK—M. E. 1 (a), manual training. An advanced course in manual training suitable for students preparing to teach manual training in schools where the equipment is limited.

The course consists of a graded set of exercises in wood, the care and use of tools and problems in cabinet making.

At the beginning of each shop period subjects are discussed that are closely related to the work. Shops, M. Tu. 1, 2, 3, 4 periods.

(b) FOUNDRY.—Green sand moulding; melting and pouring brass and iron; core making. This work is made as practical as possible. Shops, M. Tu. 5-7; W. Th. F. 1-3, 5-7; Sat. 1-3 period.

(c) FORGING.—Management of fires; drawing and welding; riveting and tempering; case hardening and annealing. M. 5-7; Tu. W. Th. F. 1-7; Sat. 1-4 periods.

(d) PATTERN MAKING.—Practice in making patterns; care and use of wood working machinery. M. Tu. 5-7; W. Th. F. 1-3, 5-7; Sat. 1-3.

(e) MACHINE SHOP PRACTICE.—Exercises in chipping and filing; practical work in turning; planing; drilling; grinding; use of milling machine; erection of machinery. M. 5-7; Tu. W. Th. F. 1-7; Sat. 1-4.

(f) ADVANCED WORK.—In any of the above courses.

2 (a) MECHANICAL DRAWING (2 or 3)—Lettering; free hand drawing; geometrical drawing; copying machine drawings; working drawings from machine parts; tracing; blue printing. M. Tu. or F. 6-7.

(b) MECHANICAL DRAWING (2)—Perspective and isometric drawings; intersections; development; detail drawing; blue printing. M. Tu. or F. 6-7.

(c) ARCHITECTURAL DRAWING (2)—Conventional methods of representing different materials of construction; standard details of buildings; plans; elevations; sections; working drawings; tracing. *Prerequisite.* M. E. (a) or an equivalent. M. Tu. or F. 6-7.

3. MACHINE DESIGN (3)—Kinematics of machinery; design of gear teeth; link motions, cams, etc. One hour's recitation and six hours' drawing per week. M. 3. and M. Tu. or F. 5, 6, 7 periods.

4. (a) ELEMENTARY MECHANICS—An elementary course in mechanics and hydraulics. Tu. Th. F. 3.

(b) THEORETICAL MECHANICS (*first term*) (4)—The application of mathematics to the movement of bodies. Mathematical discussions of force, inertia, energy, etc. *Text:* Wright's Mechanics. M. Tu. W. Th. first period or M. Tu. W. Th. second period. *Required of all Junior engineers.*

(c) MECHANICS OF MATERIALS (*second term*) (4)—The materials of construction. Timber, stone, iron, steel, cement, brick, etc., are studied. The formulæ for the figuring of strength of beams, columns, shafting, etc., are developed. Numerous applications of the formulæ to practical problems are made. *Text:* Houghton's Mechanics of Materials. M. Tu. W. Th. first period or M. Tu. W. Th. 2 period. *Required of all Junior engineers.*

5. (a) STEAM ENGINES AND BOILERS (3)—Elementary theory of steam engines and boilers; care and management of same; valve gears. Three hours per week one year. M. Tu. F. 4 period.

(b) STEAM ENGINES AND BOILERS (*first term*) (3)—Elementary thermodynamics; theoretical heat engines; valves; valve gears; comparison of type of steam engines, boilers and feed water pumps; use of feed water heater, condensers, etc., discussed. T. Th. 3; F. 1.

(c) GAS ENGINES AND PRODUCERS (*second term*) (3)—Development and theory of different types of gas and oil engines discussed. Suction and pressure producers studied. Cost of gas and steam power compared. *Text:* Carpenter's and Deaderichs' Internal Combustion Engines. Tu. Th. 3; F. 1.

6. EXPERIMENTAL ENGINEERING (2)—Calibration of engineering instruments, indicators, steam gauges, planimeters, nozzles, meters, weirs, etc.; tests of materials of construction in tension, torsion, compression and bending; valve setting. *Text-book*: Experimental Engineering, Carpenter. Four hours' laboratory work per week. W. 4, 5, 6, 7., or Th. 5, 6, 7, 8.

7. MACHINE DESIGN (4)—Theory of steam and gas engines: problems in steam and gas engines and boiler design. One recitation, six periods of drawing. F. 3 period. *Prerequisite*, M. E. 3.

8. EXPERIMENTAL ENGINEERING (2)—Complete tests of different types of steam engines, boilers, pumps, gas engines, oil engines, turbines, special investigations. F. 5, 6, 7, 8.

9a. HYDRAULICS—Hydraulics and Hydrostatics, the second term during the Junior year. *Text-book*: Treatise on Hydraulics, Merriman. Two recitations per week. Tu. Th. 4.

9b. HYDRAULIC MACHINERY—A study of the design, construction and operation of turbines and pumping machinery, the first term of the Senior year. *Text-book*: Treatise on Hydraulics, Merriman. Two recitations per week. Tu. Th. 4.

10. METHODS OF ICE-MAKING, COLD STORAGE (2)—Theory of the absorption and compression systems of ice-making; ice-making machinery; cost of making; buildings; insulation of storage rooms. *Prerequisite*: M. E. 5. (b).

11. HEATING AND VENTILATION (3)—The theory of heating and ventilation is studied, including the flow of air and products of combustion in pipes and chimneys. The sources of the impurities in the air are thoroughly gone into. The requirements of good ventilation are considered, and the movement of air for ventilating purposes by fans and other means compared.

The different systems of heating by furnaces, steam and hot water are studied from the text, working drawings being made by the students of each system of heating, and the merits of each is fully treated; contracts, specifications, bills of material and cost of the different plants prepared.

12. STEAM ENGINEERING (4) Mechanical engineering of power plants; selection of machinery for equipment of power stations; plans and specifications. One lecture and six hours' drawing per week, first term. *Prerequisite*: M. E. 5.

13. **MACHINERY AND MILL WORK (4)**—Discussions of the different methods of distributing power in mill work; considerations controlling the design of the power plant; specifications. One hour's lecture and six hours' drawing per week, second term.

14. **RAILROAD ENGINEERING (4)**—Design and construction of locomotives; repairs for rolling stock; discussion of the problems relating to the mechanical engineering of railroads. Second term. *Prerequisite:* M. E. 4 and 5.

15. **EXPERIMENTAL ENGINEERING (2)**—An advanced course in laboratory investigation for students desiring to take up a definite line of experiments related to some line of study in this department. The course of experiments and tests will be arranged to suit the needs of small sections.

CIVIL ENGINEERING.

J. J. KNOCH, *Professor.*

V. P. KNOTT, *Associate Professor.*

P. C. HUNTLY, *Instructor.*

The design of this department is to furnish a course of theoretical instruction, accompanied by illustrations and as much of engineering practice as can well be taught in schools. This course will give the student a knowledge of the fundamental principles required to enter intelligently upon the various branches of engineering belonging to this profession.

The special technical studies, which are offered in this course, may be grouped under the heads of surveying, applied mechanics, road and railroad engineering, hydraulic engineering, bridge engineering, and sanitary engineering. A general outline of the course is found on page 77.

Instruction.—The work in surveying extends over three years. It embraces land surveying, leveling and United States public land surveys during the Sophomore year; topography, railroad reconnaissance and location during the Junior year; triangulation and geodesy during the Senior year. Much time is devoted to practice in the field and drafting room, this work being carried on parallel with the classroom work. Each year a party of engineering students go into camp one week for practice in surveying and locating railway lines.

1. DESCRIPTIVE GEOMETRY (2)—Recitation and practice first term. *Text-book*. Church's Descriptive Geometry. Engineering Hall. Th. 8:30-9:30; M. 1:30-3:20.

1a. DRAWING (3)—Selection and care of instruments. Drawing geometrical figures, conventional representation of materials, copying and tracing working drawings, and drawing from models. Two afternoons throughout the year. Engineering Hall. T. W. 1:30-3:20.

2. SURVEYING (with 3) (3)—First, and part of second term. Care, use, and adjustment of instruments, use of chain, tape, compass, transit, solar attachment, level, sextant and plane table; land surveying, leveling, contouring, laws, and instructions relating to surveys of the public domain. *Text-book*: Raymond's Engineering Hall. T. F. 8:30-9:30.

3. FIELD PRACTICE Exercises in land, city and topographical surveying. One afternoon throughout the year. Th. 12:40-4:00.

4. HIGHWAYS (1)—One hour per week, second term. The location, construction, and maintenance of common, Macadam, and Telford roads; brick, stone, wood, and asphalt pavements for city streets. *Text-book*: Spalding's Roads, Streets and Pavements. Engineering Hall. Th. 8:30-9:25.

4a. ARCHITECTURAL DRAWING (1)—One hour per week, second term. Elementary course in architecture; drawing plans and elevations of simple structures; analysis of plans. M. 1:30-3:20.

5. RAILROAD ENGINEERING (2)—Two hours per week throughout the year. Preliminary surveys and location; transition curves, yards, and turnouts; estimates of earthwork and material used in construction; the economics of railroad location and management. *Text-book*: Searle's Field Engineering, and Crandall's Transition Curve and Earthwork Computations, first term. Second term, Raymond's Railroad Engineering Part II. Engineering Hall. T. Th. 10:20-11:15.

6. FIELD PRACTICE (2)—Location of curves, turnouts and Y's; measurement of embankments and cuts, and computation of volumes. Four hours a week throughout the year. F. 12:40-4:00.

7. RAILROAD SURVEY—One week, twelve hours per day. Actual field practice in reconnaissance, preliminary survey, and location.

8. DRAWING (2)—Lettering titles for maps and drawings. Pen and colored topography. Four hours a week throughout the year. Engineering Hall. M. W. 8:30-10:20.

84. **DRAWING (2)**—Lectures and practice two afternoons a week throughout the year. Shades, shadows and perspective. Topographical and railroad maps from actual surveys; masonry dams, structural details, and working drawings for designs. Engineering Hall. M. T. 1:30-2:30.

9. **MASONRY CONSTRUCTION (2)**—Two hours per week, first term. Use of lime and hydraulic cement mortars; stone and brick masonry foundations; foundations in soft materials on land and under water; cofferdams, cribs and caissons. *Text-book:* Baker's Masonry Construction. Engineering Hall. W. Th. 11:15-12:10.

10. **ROOFS AND BRIDGES (3)**—Four hours per week, first term; three hours, second term. Theory of computation of stresses by both analytical and graphic methods; full computations, designs and bills of materials for a roof truss and railroad bridge. *Text-books:* Merriman and Jacoby's Roofs and Bridges, Parts I, II and III. Engineering Hall. M. T. W. F. 9:25-10:20.

11. **SANITARY ENGINEERING (2)**—Two hours per week, first term. Calculation and special details of construction of sewers, separate and combined systems of sewerage, purification of sewage, municipal and domestic sanitation. *Text-book:* Folwell's. Engineering Hall. T. F. 8:30-9:25.

12. **TECHNICAL DRAWING (2)**—Lectures and practice, four hours per week throughout the year. Right and oblique arches; drawings for computation of course. Engineering Hall. T. W. 1:30-3:20.

13. **WATERWORKS ENGINEERING (3)**—Three hours per week, second term. Study of systems of water supply, collection, purification and distribution of water, location of waterworks, with details of estimates of cost, turbines and pumping engines. *Text-book:* Folwell's Water Supply Engineering. Engineering Hall. W. Th. 9:25-10:20.

14. **ENGINEERING LABORATORY (2)**—Two hours per week, first term. Test of strength and other properties of materials of construction, tensile and crushing tests of brick, stone and cement; flow of water through pipes, elbows, valves and measurement by means of weirs. Engineering Hall. F. 12:40-4:00.

15. **FIELD PRACTICE (2)**—Two hours per week, second term. Topographical survey, triangulation, precise leveling, and practical astronomy. Th. 12:40-4:00.

15a. REINFORCED CONCRETE (2)—Two hours per week, first term. Recitations, lectures and practical problems on the theory and design of various structures in reinforced concrete.

16. CONTRACTS AND SPECIFICATIONS (3) Elective for Seniors in Engineering. Lectures and recitations three times per week. *Text-books:* Johnson's Contracts and Specifications; Wait's Engineering and Architectural Jurisprudence. Engineering Hall M. T. W. 9:25-10:20.

ELECTRICAL ENGINEERING.

W. N. GLADSON, *Professor.*

L. S. OLNEY, *Associate Professor.*

W. B. STELZNER, *Adjunct Professor.*

Two courses of instruction are offered in electrical engineering. The four years' course described on page 78 is intended to afford a good general education, and at the same time to ground the student so thoroughly in the principles of electrical engineering as to furnish a good foundation for the profession.

Theory is amply treated and tested by experiments in well equipped laboratories, thus affording the student a degree of facility in the use of the instruments and machines which is acquired only by continued practice. As a requisite for graduation each candidate must present an acceptable thesis, embodying the results of special study. The object of such study must lie within the field of electrical engineering. It must be announced not later than the beginning of the second term of the senior year, and be approved by the professor in charge. The completed thesis must be submitted not later than two weeks before commencement day, and one copy must be deposited in the library as the property of the University.

The short course of two years, described on page 90, is designed for students lacking time and preparation for the full course, and is intended especially for those who have had some practical experience in engineering. The work is more elementary than in the long course, embracing only necessary mathematics, which, with mechanics, electrical engineering and laboratory work, gives the student sufficient theory, supplemented by practice, in the shortest possible time.

1. **ELECTRICAL ENGINEERING (5)**—Recitations five times a week throughout the year. On electrical machinery installation and operation, underwriters' rules. *Text-books*, Elements of Electrical Engineering, by Franklin and Estey, and Management of Dynamos, by Crocker and Wheeler. Engineering Hall. M. F. 3.

ADJUNCT PROFESSOR STELZNER.

2. **FREEHAND AND MECHANICAL DRAWING (2)**—Practice four hours a week, first term, freehand drawing from models and machine parts, lettering, line shading, dimensions; second term, mechanical drawing. Care and use of instruments, copying of mechanical drawings, blue printing, scale drawings from models and machine parts, line shading. Engineering Hall, second floor. M. Tu. 6, 7.

ADJUNCT PROFESSOR STELZNER.

2a. **DRAWING (2)**—Recitations and practice two hours a week throughout the year. Accurate mechanical drawings from electrical machinery, architectural drawings, perspective, shades and shadows, orthographic projections. *Text-books*, Mechanical Drawing, by A. K. Cross, and Handbook of Perspective, by Otto Fuchs. Engineering Hall, second floor. M. T. 6, 7.

ASSOCIATE PROFESSOR OLNEY.

3. **TECHNICAL DRAWING (2)**—Lectures and practice two hours a week throughout the year. Working drawing of electrical apparatus, elementary machine design, wiring plans designed by students, specifications and estimates. Engineering Hall, second floor. M. T. 6, 7.

PROFESSOR GLADSON.

4. **TECHNICAL DRAWING (2)**—Lectures and practice four hours a week throughout the year, an extension of course 3 and must be preceded by it. Drawings of circuit and machine, electrical calculations, and mechanical designs of electrical machinery; complete power plants designed by student. Engineering Hall, second floor. M. T. 6, 7.

PROFESSOR GLADSON.

5. **ELECTRICAL LABORATORY (2)**—One afternoon a week throughout the year. An extended course in magnetic and electrical measurements, current, electromotive force and resistance, use and calibration of instruments; exploration of magnetic

fields; testing of direct current dynamos and motors. Engineering Hall, basement. Th. 5, 8.

PROFESSOR GLADSON,
ASSOCIATE PROFESSOR OLNEY,
ADJUNCT PROFESSOR STELZNER,

6. ELECTRICAL LABORATORY (2)—One afternoon a week throughout the year. A full experimental course in operating and testing direct and alternate current machines; photometry, transmission, storage and transformation of electric energy, courses given suited to the preparation and object of the student. Engineering Hall, first floor. F. 5, 8.

PROFESSOR GLADSON,
ASSOCIATE PROFESSOR OLNEY,
ADJUNCT PROFESSOR STELZNER,

7. DYNAMO-ELECTRIC MACHINERY (3)—Recitations three hours a week throughout the year. Confined chiefly to direct current apparatus, including types of motors, generators and transformers; designs, calculations, construction, testing and operating. *Text-book*: Thompson's Dynamo Electric Machinery, Vol. I. Engineering Hall, second floor. M. T. W. 2. *Prerequisite*: Physics I and 2. ASSOCIATE PROFESSOR OLNEY.

8. THEORY OF ALTERNATE CURRENTS (3)—Recitations three times a week first term. *Text-book*: Alternating Current Phenomena, by C. P. Steinmetz. Engineering Hall, first floor. M. T. W. 1. PROFESSOR GLADSON.

9. POLYPHASE ELECTRIC CURRENTS (3)—Recitations and lectures three times a week second term. *Text-books*: Thompson's Dynamo Electric Machinery. *Reference Books*: Alternating Current Motors, McAlister, and technical journals. Engineering Hall, first floor. M. T. W. 1. PROFESSOR GLADSON.

10. ELECTRIC RAILWAYS (2)—Recitations and lectures twice a week, second term. *Text-book*: Electric Railway Engineering by Parhsall S. Hobart. Engineering Hall, first floor. Th. F. 2. PROFESSOR GLADSON.

11. TELEPHONY AND TELEGRAPHY (2)—Recitations and lectures twice a week throughout the year. *Text-books*: K. B. Miller's

American Telephone Practice, and American Telegraphy, by Mayer. Engineering Hall, first floor. Th. F. I.

ASSOCIATE PROFESSOR OLNEY.

12. **ELECTRIC MACHINERY (3)**—Recitations three times a week on direct and alternate current dynamos and motors; their application to light, power railway, mining and manufacturing. *Text-books:* Dynamos and Motors, by Franklin and Estey. Engineering Hall, second floor. W. Th. F. I. *Prerequisite:* E. E. I or Physics I.

ADJUNCT PROFESSOR STELZNER.

13. **POWER STATIONS (2)**—Lectures and recitations two hours a week, first term. Selection of machinery for power stations; steam hydraulic, gas and electrical. Station construction, operation and management. Senior elective.

PROFESSOR GLADSON.

14. **ELECTRIC TRANSMISSION AND DISTRIBUTION (2)**—Recitations and lectures two hours a week, second term. A study of the different methods of electrical power distribution for light, railway or stationary power; long distance transmission. Senior elective.

PROFESSOR GLADSON.

MILITARY DEPARTMENT.

R. D. CARTER, First Lieut. 16th U. S. Infantry.

The head of the military department is an officer of the United States Army, detailed by the War Department for duty at the University.

All male students over fifteen years of age, not physically disabled, are required to take the practical course in military science, including infantry drill, target practice, guard duty, and various other exercises. This practical course covers the entire period of the students' stay at the University.

The act of Congress donating public lands for educational purposes requires that institutions which are the beneficiaries of such donations include military science and tactics in their course of instruction.

The system of instruction closely follows that used in the United States Army, but it is not the object of the military de-

partment to make soldiers of the students of this University, but through a modified form of military discipline to promote habits of neatness, order and punctuality.

The cadets are organized into one battalion, composed of field, staff, band, and six companies. The officers and the non-commissioned officers are selected from those cadets who are most proficient in their drill and military studies, and most exemplary in their deportment. The captains and the lieutenants are taken from the Senior and the Junior classes, and the sergeants and the corporals from the Sophomore class.

Each cadet is required to supply himself with the following articles of uniform clothing:

One (1) blouse.

One (1) pair trousers.

One (1) cap.

Two (2) pairs of white duck trousers.

Two (2) pairs of white cotton gloves.

Three linen collars.

The contract for supplying the above named articles is let each year by the Board of Trustees to the lowest and best bidder and the goods are delivered to the cadets by the agent of the successful bidder.

The cadet band of thirty pieces, constitutes an interesting feature of the military organization. It receives the best instruction possible and takes part in all the military ceremonies.

Competitive drills are held at the close of each college year and prizes awarded for proficiency in this department.

The three students of the Senior class having the highest grade of merit in this department are reported to the Secretary of War. The President of the United States, in appointing officers from civil life, gives preference to those whose names are so recorded. Cadet officers on graduation are breveted in the State Guard with the rank held by them in the cadet battalion at the date of their graduation.

The following is prescribed as the minimum course of military instruction, practical and theoretical:

PRACTICAL—Infantry Drill Regulations, Field Service Regulations; Manual of Guard Duty, Firing Regulations for Small Arms.

THEORETICAL—Instruction shall include the portions of the above subjects covered by the practical instruction, and may be supplemented by lectures. Under the authority of the President of the United States the military department is inspected every year by an army officer specially detailed for this purpose. A copy of the report of inspection is furnished the President of the University by the War Department.

DEPARTMENT OF PHYSICAL CULTURE AND ATHLETICS.

HUGO BEZDEK, *Director.*

The purpose of this department is to build up and maintain a good physical condition of the students and, through athletic contests in the popular college sports, to divert their minds from a too closeted life. Recognizing the fact that vigorous health is the basis for the best results in scholarship, the authorities have made physical exercises of some sort compulsory. The girls' gymnasium contains modern equipment and is directed by a woman instructor. The prevalent systematic instruction is in vogue. Military drill is required of the men unless they are excused for participation in athletics.

The popular sports, such as foot ball, base ball, track, basket ball and tennis are taught and have representative teams. Secondary teams in these lines, such as Varsity scrubs and class teams, are organized and instructed, so that every one who enjoys these pastimes may receive their full benefit. This branch of the department is fully controlled by the faculty, the object being to foster clean sportsmanship.

THE COLLEGE OF AGRICULTURE

Fayetteville.

JOHN NEWTON TILLMAN, LL. D.,

President.

CHARLES FREDERICK ADAMS, B. Agr., A. M., M. D.,

Dean and Professor of Entomology.

ROBERT ROBSON DINWIDDIE, M. D., V. S.,

Consulting Professor of Pathology and Bacteriology

ERNEST WALKER, B. S. A.,

Professor of Horticulture.

VICTOR ALBERT HOOPER,

Professor of Dairy Husbandry.

WILFRID LENTON, V. S.,

Professor of Veterinary Science.

W. M. BRUCE, A. M., Ph. D.,

Professor of Agricultural Chemistry.

MARTIN NELSON, B. S. A., M. S.,

Professor of Agronomy.

JOSEPH LEE HEWITT, B. S.,

Professor of Plant Pathology.

ALBERT K. SHORT, B. S.,

Acting Professor of Animal Husbandry.

GEORGE ALBERT COLE, B. S., A. M.,

Superintendent of Farmers' Institutes.

CARL H. TOURGEE, B. S. A.,

Adjunct Professor of Dairy Husbandry.

WILFRED S. JACOBS, B. S. A.,

Adjunct Professor of Agronomy.

J. F. STANFORD, V. S.,

Adjunct Professor of Veterinary Science.

- H. D. YOUNG, B. S.,
Adjunct Professor of Agricultural Chemistry.
- PAUL HAYHURST, A. B.,
Adjunct Professor of Entomology.
- ROBERT M. GOW, D. V. M.,
Adjunct Professor of Veterinary Science.
- J. R. TUCKER, B. S. A.,
Assistant in Agricultural Chemistry.
- M. B. OATES, B. S. A.,
Assistant in Animal Husbandry.
- JAMES YOWELL, B. S. A.,
Assistant in Dairy Husbandry.
- A. P. BOLES, B. A.,
Adjunct Professor of Plant Pathology.
- CHARLES V. RUZEK, B. S. A.,
Adjunct Professor of Agronomy.
- W. C. LASSETAR, B. S. A.,
Instructor in Agronomy.
- H. S. MOBLEY,
Field Agent in Charge of Boys' Corn Clubs.

Instruction in the College of Agriculture is divided into the following departments:

1. Department of Animal Husbandry.
2. Department of Horticulture.
3. Department of Agricultural Chemistry.
4. Department of Dairy Husbandry.
5. Department of Entomology.
6. Department of Veterinary Science.
7. Department of Agronomy.
8. Department of Plant Pathology.
9. Department of Agricultural Education.
10. Department of Farmers' Institutes.

The College of Agriculture, while distinct from the other divisions of the University in its buildings and equipment, is closely correlated in its work.

In addition to the regular classes in the College of Agriculture, the students will be admitted to the library, museum, laboratories, and to all lectures and instruction of the University, and to all other rights and privileges granted to other students.

Two courses in agricultural work are offered. They are.

1. THE COLLEGIATE COURSE of four years, leading to the degree Bachelor of Science in Agriculture. It is designed to give the student a broad education in the sciences and arts related to agriculture. The work for the first two years is prescribed, the subjects being so chosen as to offer a good foundation for the more specialized work of the Junior and Senior years. The work in the Junior and Senior years will consist of ten hours in a major subject, six hours in minor subjects, eight hours in language and English, and eight hours of elective work.

This course is described in detail on page 139.

2. A SPECIAL COURSE of two years for eight weeks each year. This is made up of the most practical of the subjects offered in the four year course. Necessarily, it does not offer so great opportunities for special work, nor so broad an education, still it does offer a thoroughly practical and comprehensive treatment of the most important phases of scientific farming.

This course is outlined on page 150 *et seq.*

THE COURSE IN AGRICULTURE.

For requirements for admission see page 42.

The following outline shows, in the work of the first two years, the basis on which specialization in the third and fourth is to rest. At the beginning of the Junior year each student must choose his major subject. The choice of his language subject, and of his minors, together with the details of his major, will then rest with the professor who has in charge the subject he has chosen as his major.

The major is to be chosen in one of the departments of the College of Agriculture, and it shall include a thesis based upon original research made by him, or upon some subject included in his course of study, or an original report upon some work of agricultural investigation. This thesis must be approved by the faculty, and must be handed to the professor in charge of the major subject, not later than April 1st of the Senior year.

The minor subjects shall be as many as two, and not more than three, and shall be allied to the major.

Freshman Year.

FIRST TERM	Hrs.	SECOND TERM	Hrs.
English (1) M. T. Th. 2.....	3	English (1) M. T. Th. 2.....	3
Chemistry (1) T Th 4, W. 5, 6, 7	3	Chemistry (1) T Th 4, W. 5, 6, 7	3
Plant Physiology (11a) W. F. 2, Th. 6, 7, S.....	3	Chemistry (1a) T. 3, M. T. 5, 6, 7	3
Agronomy (1a) M. W. F. 3, 4.....	3	Plant Physiology (11b), W. F. 2, Th. 6, 7, 8.....	3
Animal Husbandry (1a) T Th 1	2	Agronomy (1b) M. W. F. 3, 4	3
Shop Work (1a) M. 5, 6, 7.....	1	Animal Husbandry (1b) T. Th. 1	2
Mechanical Drawing (2a) T F 6, 7	2	Shop Work (1b) F. 5, 6, 7	1

Sophomore Year.

FIRST TERM	Hrs.	SECOND TERM	Hrs.
Chemistry (1a) T. 3, T. W. 5, 6, 7.....	3	Agricultural Chem. (1b), M. W. 1	2
Physics (1), M. W. 3, Th. 6, 7, 8	3	Physics (1), M. W. 3, Th. 6, 7, 8	3
Entomology (11a), T Th 2 F 2, 3, 4	3	Horticulture (1b), W. F. 2, W. 6, 7	3
Veterinary Sci. (1), T Th S, 1	3	Veterinary Sci. (1b), T. Th. S. 1	3
Agronomy Soils (2a) M. W. F. 1	3	Dairying (1b), M. T. 2, 6, 7	4
Agronomy Soils Lab. (3a) M. F. 5, 6, 7	2	Mycology T F 3, Th. 2, 3, 4, F. 5, 6, 7	4

Junior Year.

JUNIOR YEAR	Hrs.	SENIOR YEAR	Hrs.
Major.....	5	Modern Language.....	3
Minor.....	3	Major.....	5
Agricultural Education (5b)....	2	Minor.....	3
Agronomy (4a&b).....	5	Elective.....	5
Elective.....	3		

The Courses in Detail.

It is provided that any subject offered below but not prescribed in the above outline may be withdrawn unless four or more students enroll for it.

Subjects having the letter (a) following the number are offered only in the fall term, those with the letter (b) only in the spring term, and those with no such letter extend throughout the year.

ANIMAL HUSBANDRY.

A. K. SHORT, *Acting Professor.*

M. B. OATES, *Adjunct Professor.*

1. (a) **STUDY OF FARM ANIMALS**—Elementary study of breeds, types and feedings. Two hours. T. Th. 1.

1. (b) **TYPES AND BREEDS OF FARM ANIMALS**—History of the development of breeds and types. Two hours. T. Th. 1. *Required of Freshmen.*

2. (a) **STOCK JUDGING**—In addition to text book studies, practical exercises will be given on the use of the score card in judging the various types and breeds of farm animals.

2. (b) **FEEDS AND FEEDING**—Selecting and compounding rations; experimental feeding; rations for beef and pork production; mill feeds, forage and pasture, and their uses in stock feeding. In addition to text, as far as possible, practical work will be given in feeding. Elective.

3. **CARE AND MANAGEMENT OF LIVE STOCK**—Study of establishing and maintaining stock farm in Arkansas. Pastures, lots, barns, stalls, feed boxes, etc. Elective.

4. **LIVE STOCK BREEDING**—Study of the laws governing heredity, variation, correlation, etc. Practical methods used in the improvement of live stock. Elective.

5. **MARKET CLASSES AND GRADES OF HORSES, CATTLE, SHEEP AND SWINE**—Study of the classification of live stock on the central markets, and the factors that influence price. *Prerequisites: Animal Husbandry 1 and 2.* Elective.

6. **HERD BOOK STUDY**—Including a study of the pedigrees of the most popular strains and families of the different breeds of live stock. *Prerequisites: Animal Husbandry 1 and 2.* Elective.

7. **ANIMAL NUTRITION**—Composition of animal body, and composition and digestibility of foods, the theory and practical economy of rations for growing, fattening, wool production, etc. *Prerequisite: Animal Husbandry 2 (b).*

8. **BEEF PRODUCTION**—A study of the most economical methods of producing beef cattle. Production of baby beef, long and short fed beef, feeding grain in connection with pasture, etc. Elective.

9. **PORK PRODUCTION.** Study of the most economical methods of growing and finishing pigs, of bacon and lard type, for market. Advantage of grazing crops in pork production. Elective.

10. **MUTTON AND WOOL PRODUCTION.**—A thorough study of the most economical feeds, and conditions influencing the production of mutton and wool. Elective.

11. **FEEDING, CARE AND MANAGEMENT OF HORSES.** Study of the most economical feeds for maintenance, light, medium and heavy work. Food for stallions, brood mares and colts, and fattening for market. Management of stallions, mares and colts, breaking, training, etc. Elective.

HORTICULTURE.

ERNEST WALKER *Professor.*

1. (b) **PROPAGATION OF PLANTS—PRINCIPLES OF PLANT CULTURE.** This course is of a wide practical value, dealing with the methods used in the greenhouse and nursery in the multiplication of the various kinds of plants: seedage, cuttings, grafting, budding, etc.; care of young greenhouse and nursery stock. *Required of Sophomores.* W. F. 2, W. 6, 7.

2. (c) **FRUIT GROWING.** Commercial orchards, apple, peach and other tree fruits suited to this State; the home orchard; viticulture, varieties, pruning, fertilization of orchards and vineyards, cultivation, marketing. Three hours, throughout the year, lectures and laboratory. Elective.

3. (c) **FRUIT GROWING.** Small fruits—strawberries, blackberries, raspberries, etc.; soils, varieties, fertilization, cultivation, marketing.

4. (c) **ORNAMENTAL.** The principles of vegetable growing, the home vegetable garden, market gardening, management of cold frames and hot beds, transplanting, minures, fertilizers, forcing. 3 (a) and (b), 2 hours throughout the year. Elective.

4. (c) **FRUIT GROWING.** Greenhouse Construction and management, heating, ventilation, watering, the principal commercial greenhouse plants, packing and shipping.

5. (c) **FORCING HOUSES AND METHODS.** Growing cut flowers. 4 (a) and (b), 2 hours throughout the year. Elective.

5. (a) **FORESTRY**—This subject each year is becoming of increasing interest and importance. Forestry has to do with the rational consumption of forest wealth and provision for future needs. The course forms the basis of a general knowledge of the subject or as an introduction to more extended study. Two hours. *Elective*.

5. (b) **LANDSCAPE GARDENING**—A study of the principles of the subject with special reference to the selection and arrangement of trees and plants for the ornamentation of home and school grounds. Two hours. *Elective*.

6. (a) **SPECIAL WORK AND PRACTICE**—Handicraft and technical study for advanced students. The work will be arranged to suit the needs of the student.

(b) **Special Studies and Reports**. To be taken in connection with and as supplementary to the preceding course, 6 (a) and (b). Two hours throughout the year. *Elective*.

7. **THESIS**—Experiment work. Two hours. Required of Seniors with major in Horticulture. Hours by arrangement.

8. (a) **POMOLOGY, SYSTEMATIC AND COMMERCIAL**—Description of fruits, classes, harvesting, packing, storing, marketing, exhibiting, scoring. Two hours. *Elective*.

8. (b) **PLANT BREEDING**—How varieties originate and are improved, heredity variation, cross pollination, selection. *Elective*.

AGRICULTURAL CHEMISTRY.

W. M. BRUCE, *Professor*.

H. D. YOUNG, *Adjunct Professor*.

1. (b) **AGRICULTURAL CHEMISTRY**—This course will consist of the chemistry of plant and animal life. Two hours. M. W. 1. *Required of Sophomores*.

2. **AGRICULTURAL CHEMISTRY**—This course will consist of lectures and laboratory work on fertilizers, soils, inorganic plant constituents, insecticides and fungicides, tannin materials, foods and feeding stuffs, cattle foods, cereal foods, canned vegetables, saccharine products, sugarhouse methods, fruits and fruit products, wine, beer, distilled liquors, vinegar, meat and meat products, dairy products, edible fats and oils, cocoa, tea, coffee, flavoring

extracts, spices, condiments other than spices, baking powder and baking powder chemicals, food preservatives, coloring matter and drugs. Any or all of this course is elective, with hours to be arranged. *Elective.*

DAIRYING.

V. A. HOOPER, *Professor.*

C. H. TOURGEE, *Adjunct Professor.*

JAMES YOWELL, *Adjunct Professor.*

1. (a) DAIRYING. The composition of milk; methods of handling for butter and cheese making, condenseries, city supply, milk testing, butter making. Two laboratory and two recitation periods per week. M. T. 2, 6 and 7. Four hours. *Required of Sophomores.*

2. (a) DAIRY CATTLE. The origin, history and characteristics of the dairy breeds; tabulating pedigrees; the advanced registry of each breed, the value and method of making official records, practice in judging according to breed standards. Three hours *Elective.*

3. (b) THE DAIRY HERD. The formation, feeding and management of the dairy herd. Establishment of grade herds by selection and grading up with pure bred sires; establishment of pure bred herds, compounding rations; economical methods of summer and winter feeding, herd improvement by selection, breeding and testing, constructing dairy barns. Three hours *Elective.*

4. (c) CITY MILK SUPPLY. The value of milk as a food; the production and control of market milk; prevention of contamination, pasteurizing, bottling and delivering milk, certified, modified, pasteurized and standardized milk. Two hours. *Elective.*

5. (c) MILK TESTING.—A thorough study of the Babcock test for all dairy products, the tests for the acidity of the milk; the casein test, the lactometer and the detection of adulterations. Three hours. *Elective.*

6. (a) BUTTER MAKING. The composition of milk and butter, separation of milk by gravity and centrifugal force, pasteurization, the use of different kinds of pure culture, cream ripening, churning, working, printing, packing and marketing butter. Five hours. *Elective.*

7. (b) CHEDDAR CHEESE—Practice in selecting, ripening and setting milk; cutting, cooking, and dipping the curd; milling and salting curds; curing and marketing cheese. Five hours. *Elective.*

8. (a) DAIRY MANUFACTURES—A special study of the problems in the manufacture of cheese and butter, the management of cheese factories and creameries under co-operative companies; locating, building and equipment plants; methods of paying patrons; factory accounting; marketing products. Four hours. *Elective.*

9. (b) SCORING BUTTER AND CHEESE—Lectures and practice in judging butter and cheese. One hour. *Elective.*

10. INVESTIGATION AND THESIS—Experiment Station work in dairying. Thesis subject as arranged.

ENTOMOLOGY.

C. F. ADAMS, *Professor.*

PAUL HAYHURST, *Adjunct Professor.*

1. (a) GENERAL ENTOMOLOGY—Lectures and laboratory work on anatomy, physiology, metamorphosis, classification and habits of insects. Special attention is given to the economic relation of insects to agriculture. Inspection and method of control, including machines and insecticides, are considered. Two recitations and three hours' laboratory per week. *Prerequisite: Biology T. Th. 2, F. 2, 3, 4. Required of Sophomores.*

2. (a) ADVANCED ENTOMOLOGY—A course in insect morphology. Lectures and laboratory work on gross and minute anatomy, physiology, embryology and neurology. Must be preceded by course 1. Three hours. *Elective.*

3. SYSTEMATIC ENTOMOLOGY—Mostly laboratory work on classification of the Hexapods. Course 1 is required and course 2 is desirable as a prerequisite. The nature of the work will depend somewhat on the preparation of the student. He will be given the privilege of selecting any group for special study. Three hours. *Elective.*

4. ADVANCED ECONOMIC ENTOMOLOGY—Mostly laboratory work on beneficial and injurious insects. The student is expected to make use of the available literature in his studies of the various economic problems. Three hours. *Elective.*

5. **INSECT BIOLOGICS.** Lectures and demonstrations on variations, distribution, dimorphism, mimicry, development of color patterns, ecology and phylogeny of insects. Must be preceded by courses 1 and 2. Three hours. *Elective.*

6. **RESEARCH.** Work given for the special student. After he has selected his special problem, the student is expected to carry on his studies under the direction only of the head of the department. *Prerequisites depend on the nature of the problem.* Three hours. *Elective.*

VETERINARY SCIENCE.

WILFRED LENTON, *Professor.*

J. F. STANFORD, *Adjunct Professor.*

R. M. GOW, *Adjunct Professor.*

1. **GEN. VETERINARY SCIENCE.** This course comprises a general outline of veterinary anatomy and physiology, diseases of animals and their treatment, and simple surgery. Three hours. T. Th. S. 1. *Required of Sophomores.*

1. **GEN. VETERINARY SCIENCE.** This course consists of anatomy and physiology of the domesticated animals, dentition and the determination of age by the teeth, lameness, its causes, prevention and cure; ventilation and disinfection; contagious disease and diseased processes; methods of restraint and anesthetics; surgery. T. Th. S. 1. *Required of Sophomores.*

AGRONOMY.

MARTIN NELSON, *Professor.*

W. S. JACOBS, *Adjunct Professor.*

C. V. RUZEK, *Adjunct Professor.*

W. C. LASSETAR, *Instructor.*

Agronomy is the science of the field, the soil and its crops. The study of the soil is conducted from the standpoint of the fundamental principles of the management of the soil for crop production and to afford opportunity for special study in particular fields of the subject. The study presupposes a fair understanding of the general principles of physics, chemistry and plant physiology.

The study of crops is conducted from the standpoint of the fundamental biological and physiological principles underlying

the growth, adaptation and improvement of plants and economic and business management of the field and its crop. The study presupposes a general knowledge of the field of botany.

1. (a) AGRONOMY—The course comprises a study of crops—corn and small grains, cotton and other fiber crops, grasses, clovers, forage and miscellaneous crops. It consists of a study of types, varieties, strains, quality, market standards, the use of score cards, grading and identification. Stress is placed upon the staple crops. Lecture and laboratory work combined. Continues through both terms. M. W. F. 3, 4. *Required of Freshmen.*

1. (b) AGRONOMY—Continuation of 1 (a). M. W. F. 3, 4. *Required of Freshmen.*

2. (a) SOIL PHYSICS—This course comprises a study of the nature, origin, formation and classification of soils, soil moistures and the methods of conserving it, movements of soil water; its relation to color, light and temperature, objects and method of use of farm implements as related to the various soils and crops, cultivation and drainage as affecting soil moisture, temperature, aeration, root development, and the supply of available plant food. Three lecture periods. M. W. F. 1. *Required of Sophomores.*

3. (a) SOIL PHYSICS—Laboratory Course—Supplementary to course 2 (a). Designed to prepare the student to better understand the nature of soil, the methods of treatment of soil and the effect of these methods upon aeration, texture, temperature, moisture, water holding capacity, and crop production. The work comprises the determination of such constants as specific gravity, pore space, capillarity, organic matter, etc., of the various types of soils; mechanical analysis of soils, soil survey and soil mapping. Two three hour periods. M. F. 5, 6, 7. *Required of Sophomores.*

4. (a) FARM CROPS—This course embraces a study of staple and miscellaneous farm crops, methods of cultivation, seeding, harvesting, storing and marketing; testing, selecting and improvement; combating weeds. Five hours, M. T. W. Th. F. 1. *Required of Juniors.*

4 (b) FARM CROPS—Continuation of 3 (a). Five hours. M. T. W. Th. F. 1. *Required of Juniors.*

5. (a) SOIL FERTILITY—A study of conditions governing productivity and exhaustion of soils, maintenance of fertility.

soil bacteria, organic matter, green manures, farm manures and commercial fertilizers; effect of crops and fertilization; rotation of crops and treatment of soil, soil building; a permanent agriculture. Three hours. *Elective*.

5. (b) SOIL FERTILITY—Laboratory course—Supplementary to 5 (a). Two periods. *Elective*.

6. (b) FARM DRAINAGE. This course comprises the study of drainage and irrigation relative to the farm; the mapping, planning and laying of drainage systems and rice farms; field work, including the care, adjustment and use of instruments used in this work. Recitation and laboratory; three periods per week. 2 (a) *prerequisite*. *Elective*.

7. (a) SPECIAL JUDGING. Advanced judging of cotton, corn, rice and grains. Lectures, laboratory exercises and assigned reading. For advanced students and graduates. Courses 1 and 3 *prerequisite*. Hours to be arranged. *Elective*.

8. (b) PLANT BREEDING. Principles and methods of plant breeding, selection and improvement as applied to farm crops. Lectures and assigned readings. For advanced students and graduates. Courses 1 and 3 *prerequisite*. Two periods. Hours to be arranged. *Elective*.

9. (a) FARM MANAGEMENT—Systems of farming—intensive and extensive, specialized and general, arrangement, organization and equipment for special systems, administration and cost of production. For advanced students and graduates. Three hours. *Elective*.

10. (a) FARM MECHANICS—A study of farm implements and farm machinery, adaptation, use and care of same; engines, motors and their application to the farm, labor saving devices; building fences and roads. Three laboratory periods. *Elective*.

10. (b) FARM MECHANICS. Rural architecture—arrangement of and designs for buildings with special reference to materials, methods of construction, durability and conveniences, water ventilation and heating systems. Three periods. *Elective*.

11. THESIS. Special investigation of subjects in the field of agronomy. *Required of students with major in agronomy*. Hours to be arranged.

PLANT PATHOLOGY.

J. LEE HEWITT, *Professor.*A. P. BOLES, *Adjunct Professor.*

1. (a) MYCOLOGY—Morphology of typical fungus forms and the classification of fungi, including a brief consideration of the allied groups of lower plants. Four hours. First term.

1. (b) PLANT PATHOLOGY—Mycology and plant physiology are *prerequisite*. The diseases of plants caused by cryptogamic parasites and by unfavorable environment. Especial attention is given to conditions inducing disease and to reaction of the diseased organism. Four hours. Second term.

2. (b) DISEASES OF TREES—Mycology is *prerequisite*. The diseases of economically important forest trees, the causes of decay in timber. Three hours. Second term.

3. AGRICULTURAL BACTERIOLOGY—Morphology and physiology of bacteria, cultural and microscopic technique. Bacteria in relation to diseases of plants and animals, and dairying. Three hours.

11. (a) ELEMENTARY PLANT HISTOLOGY AND PHYSIOLOGY—Should be preceded by general botany or morphology. A study of plant tissues and organs and their functions from the standpoint of agriculture. Fundamental to work in crops. Three hours. First term. *Required of Freshmen.*

11. (b) PLANT PHYSIOLOGY AND ECOLOGY—A continuation of course 11 (a). The study of plant growth and reproduction as influenced by environment. This course, like the last, is treated from the economic standpoint, touching such subjects as plant propagation, forcing, etherizing, hybridizing, the principles of plant growth. The laboratory work will be with a large number of living plants under the direct control of the students. Three hours. Second term. *Required of Freshmen.*

12. (a) PHYSIOLOGY AND ECOLOGY OF FOREST PLANTS—Plant physiology is *prerequisite*. Study of typical forest societies, including physiological facts of special bearing on forest conditions. Three hours. First term.

13. (b) DESCRIPTION AND CLASSIFICATION OF ECONOMIC PLANTS—A brief systematic course dealing with common crop plants and weeds; seed impurities. Two hours. Second term.

14. RESEARCH WORK—Will be assigned to students with adequate preparation. Hours to be arranged, not less than three credit hours.

AGRICULTURAL EDUCATION.

J. M. WILSON, Acting Professor.

1. (a) **AGRICULTURE (first term) (3)**—This course is designed to give the student a general knowledge of the different fields of agriculture. The first term will be devoted to soils and how to treat them. A brief study will be made of manures and fertilizers, their application and use. *Required of Sub-Freshmen.*

1. (b) **AGRICULTURE (second term) (3)**—A continuation of course 1. A study of field crops, corn, cotton, rice, oats, and grasses. Practical work will be given in cotton judging, grain judging, seed testing, etc. *Required of Sub-Freshmen.*

2. (a) **BOOKKEEPING AND FARM ACCOUNTS (first term) (1)**—A course of single and double entry bookkeeping as applied to farm transactions. *Required of Sub-Freshmen.*

2. (b) **RURAL LAW (second term) (1)**—Business forms and commercial law applied to farm transactions, deeds, tenants' contracts; salvage laws; road laws; etc. *Required of Sub-Freshmen.*

3. (a) **GENERAL AGRICULTURE (first term) (3)**—A general course in agriculture designed to meet the needs of students preparing to teach elementary agriculture in the public schools of the State. A study of plants in relation to agriculture; propagation of plants by seeds and cuttings; budding and grafting, field crops, soil fertility, relation and the use of legumes. *Required of Normals. M. W. 3; M. W. 6; M. W. 7; T. Th. 6, 7.*

3. (b) **SCHOOL GARDENING (second term) (3)**—A practical course in vegetable and ornamental gardening for students preparing to teach and others interested in vegetable and ornamental gardening. *Required of Normals. M. W. 3, T. Th. 6, 7, M. W. 7; M. W. 6.*

4. (a) **AGRICULTURAL EDUCATION**—A study of systems and methods of presenting agriculture in the public schools. Two hours. *Elective.*

4. (b) Continuation of 4 (a). Two hours. *Elective.*

5. (b) **RURAL ECONOMICS (second term) (2)**—Factors of agricultural production, economies, principles which determine the size of the farm, methods of acquiring land, tenancy and ownership, markets, labor problems, farmers' organizations. Two hours. *Required of Juniors in Agricultural Courses.*

6. **CORRESPONDENCE COURSE**—Open only to farmers of the State of Arkansas. Application blanks and question slips will be supplied upon request. The course will be in accord with some accepted text-book on elementary agriculture. No credit allowed toward a degree.

FARMERS' INSTITUTES.

G. A. COLE, *Superintendent.*

H. S. MOBLEY, *Special Agent U. S. Department of Agriculture*

The Department of Farmers' Institutes of the College of Agriculture conducts extension work. The superintendent arranges the dates and addresses meetings of farmers at various points throughout the State. Members of the agricultural faculty assist as time permits, by giving addresses, demonstrations, etc., depending upon the requirements of the locality. The work continues practically throughout the year.

SPECIAL COURSE.

This course, as pointed out before, is practical in its nature, and is made up largely of work chosen from the longer course with this point in view. *Students will be admitted at the discretion of the professor in charge of classification.*

The following is an outline of the two years' course:

First Year.

Sixteen lectures and demonstrations on the breeding, feeding, and hygiene of farm animals, with demonstrations of breed characteristics on the college stock. By DR. DIXWIDDLE and MR. SHORT.

Fourteen lectures, with demonstrations, on the care, cultivation, and pruning of orchards and the growing of small fruits and vegetables. By PROFESSOR WALKER and MR. HEWITT.

Twenty four lectures and recitations, with an appropriate text book, on soils and fertilizers. By PROFESSOR BRUCE.

Fourteen lectures on milk, its secretion and composition, conditions and causes influencing the quality and quantity of milk. Producing and handling of milk for market, creameries, cheese, and factories, together with laboratory work in separating, butter making and milk testing. By PROFESSOR HOOPER and MR. TOURGEE.

Twenty four lectures on General Entomology, the structure, life, history, habits, classification, and distribution of insects. By **DR. ADAMS.**

Fifteen lectures on lameness of the horse, its causes, prevention and cure; the teeth of animals and common ailments, with practical work on methods of restraint and dental surgery. By **DR. LENTON.**

Fourteen lectures on cereals, grasses, weed eradicators and identification, with laboratory work on judging of cotton, corn, grains and the grasses. By **PROFESSOR NELSON** and **MR. JACOBS.**

Second Year.

Fourteen lectures and demonstrations on the breeds of live stock, stock judging, methods of feeding. By **PROFESSOR SHORT** and **MR. OATES.**

Fourteen lectures on the orchard, care and cultivation, and kindred subjects. By **PROFESSOR WALKER** and **MR. HEWITT.**

Twenty four lectures and recitations, with an appropriate textbook on foods and feeding stuffs. By **PROFESSOR BRUCE.**

Fourteen lectures on the breeds of dairy cattle; the formation, breeding, feeding and management of the dairy herd, barns and soils, soiling crops, dairy farm management, with laboratory work in separating milk, butter making, and milk testing. By **PROFESSOR HOOPER** and **MR. TOURGEE.**

Twenty four lectures on the most important, beneficial and injurious insects, methods of prevention and eradication. By **DR. ADAMS.**

Fifteen lectures on contagious diseases of Animals in Arkansas, with laboratory work on dental and minor surgical operations. By **DR. LENTON.**

Fourteen lectures on soil formation and soil management, the maintenance of soil fertility and moisture and drainage, with laboratory work. By **PROFESSOR NELSON** and **MR. JACOBS.**

AGRICULTURAL EXPERIMENT STATION

Fayetteville.

JOHN NEWTON TILLMAN, LL. D.,
President.

CHARLES FREDERICK ADAMS, B. Agr., A. M., M. D.,
Director and Entomologist.

ROBERT ROBSON DINWIDDIE, M. D., V. S.,
Consulting Pathologist and Bacteriologist.

ERNEST WALKER, B. S. A.,
Horticulturist.

VICTOR ALBERT HOOPER,
Dairy Husbandman.

WILFRID LENTON, V. S.,
Veterinarian.

W. M. BRUCE, A. M., Ph. D.,
Chemist.

MARTIN NELSON, B. S. A., M. S.,
Agronomist.

JOSEPH LEE HEWITT, B. S.,
Plant Pathologist.

A. K. SHORT, B. S.,
Acting Animal Husbandman.

CARL H. TOURGEE, B. S. A.,
Assistant Dairy Husbandman.

WILFRED S. JACOBS, B. S. A.,
Assistant Agronomist.

J. F. STANFORD, V. S.,
Assistant Veterinarian.

H. D. YOUNG, B. S.,
Assistant Chemist.

PAUL HAYHURST, A. B.,
Assistant Entomologist.

R. M. GOW, D. V. M.,
Assistant Veterinarian.

- J. R. TUCKER, B. S. A.,
Assistant Chemist.
M. B. OATES, B. S. A.,
Assistant Animal Husbandman.
JAMES YOWELL, B. S. A.,
Assistant Dairy Husbandman.
A. P. BOLES, A. B.,
Assistant Plant Pathologist.
CHARLES V. RUZEK, B. S. A.,
Assistant Agronomist.
W. C. LASSETAR,
Assistant Agronomist.
L. L. WOOTTON, A. B.,
Executive Clerk.

The office of the Director of the Experiment Station is in the new Agricultural Building, a brick structure of two stories and a basement. It has a well lighted laboratory room in the basement, two large lecture rooms, the office of the Entomologist and the soil laboratory on the first floor, and the office of the Director, the Agronomist, the class room and laboratory of field crops and the library on the second floor. It is a well arranged and attractive building.

THE DEPARTMENT OF ANIMAL HUSBANDRY is located in the Old Agricultural Building. This department carries on investigation in feeding, breeding and care of farm animals. Its special feature is a well selected lot of hogs, representing the various breeds, on which various feeding and breeding tests are made.

THE DEPARTMENT OF HORTICULTURE has its offices in the Experiment Station Building. It has a greenhouse, in which forcing experiments and other experiments in plant propagation are carried on. The orchards and grounds in charge of this department contain many varieties of apples, pears, plums, cherries and small fruits, which serve as material for experiments with varieties, methods of culture, pruning and spraying.

THE DEPARTMENT OF CHEMISTRY is located in the Experiment Station Building. Its laboratories are fitted with the most improved modern apparatus. This department carries on investigations along the lines of animal and plant life and soil chemistry.

THE DAIRY DEPARTMENT is located in a new three-story stone building equipped with the most improved dairy machinery and

well-equipped laboratories. It also has a representative herd of dairy cows housed in a well-arranged dairy barn, and conducts a model dairy on an economic basis.

THE DEPARTMENT OF ENTOMOLOGY has its office and laboratories on the first floor of the Agricultural Building. Investigations are conducted by this department in life histories of insects injurious to agriculture and horticulture, and methods of exterminating such insects. Orchard nursery inspection is a feature of work.

THE DEPARTMENT OF VETERINARY SCIENCE is located in the Experiment Station Building. State inspection for contagious diseases of animals and the eradication of cattle tick is supervised by this department, and the best means of checking the spread of outbreaks of such diseases and stamping them out.

THE DEPARTMENT OF AGRONOMY has its office on the second floor of the Agricultural Building. This department carries on investigations with farm crops, testing and breeding new and pure varieties of cotton, corn, grains, grasses for hay, pasture and cover crops, and other agricultural products. It also carries on experiments in soil fertility and the management of soils for different crops. The work of this department is conducted on the station farm and at the substations. A special feature is the work with cotton and corn at the substations of the southern part of the State.

THE DEPARTMENT OF PLANT PATHOLOGY has its office and laboratory in the Experiment Station Building. This department carries on work of investigation of bacterial, fungus, and all plant diseases with reference to their nature, cause of development and means of combating and eradicating them. The department is equipped with excellent apparatus for carrying on its investigations.

DEPARTMENT OF MUSIC

Fayetteville.

JOHN NEWTON TILLMAN, LL. D.,

President.

HENRY DOUGHTY TOVEY, DIRECTOR,

Piano, Organ, Theory.

MARY CUMMINGS BATEMAN,

Voice.

DEWITT DEPUE,

Violin.

SUE BELLE WOOD,

Piano.

THEODORE MACMILLAN BLAKE,

Piano and History of Music.

JANE WOOD,

Superintendent of Practice.

WILLIE VANDEVENTER-CROCKETT,

Elocution.

MARTHA HUDSON WHITE,

Physical Culture.

ELIZABETH GALBRAITH,

Art.

EVELYN METZGER,

Assistant in Art.

PURPOSE.

The fundamental idea of the management has been to make the Conservatory of Music and Art complete and thorough in every respect, and to advance the pupils rapidly, yet carefully. In other words, the standard of efficiency must be so high that a certificate of study and ability granted here will possess a value recognized far and wide, and that pupils will choose to study here in preference to going to the great cities.

It has placed true artistic merit above other considerations. The courses are planned on broad lines, with a view to fitting its pupils for careers as artistic concert performers and teachers.

TUITION.

One Term (18 weeks) 2 lessons per week.

A higher rate of tuition will be charged when not paid in advance and when the pupil receives instruction for part of a term only.

Piano or Organ (with Mr. Tovey).....	\$27 50
Piano (with assistant).....	22 50
Voice, Violin	22 50
Harmony (in class)	5 00
Musical History (in class).....	5 00
Organ practice (per hour).....	20
Use of piano for practice, one hour daily:	
First hour	2 50
Each additional hour.....	1 25

FEES.

A fee of \$1.50 to each pupil. Upon payment of this fee the pupil will receive a ticket which will admit to not less than two Artist's Recitals given by visiting artists during the year. This fee will be paid by all pupils.

A fee of \$5.00 will be charged for diplomas.

A fee of \$1.00 will be charged for certificates.

ELOCUTION.

Private lessons (per term)	\$27.50
Private lessons (per month).....	7.00
Class lessons, free to university students.	

ART.

Fee of \$2.00 required of all Normal students.

Academic class by term.....	\$27.00
By month in advance.....	6.50

PHYSICAL CULTURE.

(Free in classes to University students.)

One hour per year of music, art, elocution, or physical culture is required of Normal and B. A. students.

If a pupil practices only a week or two, the charge will be five cents per hour.

All students are required to matriculate with the Secretary of the University. The music and art students will pay the regular matriculation fee of ten dollars in addition to their tuition.

The tuition is based upon a term of eighteen weeks, except when otherwise stated, and these rates do not apply for a less period. *Tuition must be paid at the beginning of the term and receipt presented before taking lessons.*

RULES AND REGULATIONS.

All arrangements must be made at the Directors' office (University Hall, Room 26). The tuition is paid strictly in advance. **If it is paid later, a higher rate is charged.**

Pupils may enter at any time, but must continue their study until the end of the term.

Pupils wishing to take the regular advanced courses for a certificate or diploma must enter the department not later than the opening of the second term and continue without interruption until the close of the school year.

Lessons lost in consequence of the absence of the pupil will not be made good by the University, except in case of protracted illness, when due notice in writing has been given to the Director.

All lessons lost in consequence of the absence of the instructor will be made good.

No pupil is allowed to miss lessons without sufficient cause.

Upon leaving, each pupil may receive a testimonial in which the time spent at the institution, diligence in study, and progress will be faithfully stated.

Reports showing attendance and improvement are issued every month.

Pupils are not allowed to take part in any public entertainment without the knowledge and consent of the Director.

No money will be refunded on class lessons.

No reduction will be made except in cases of long and protracted illness of the student herself, when the loss will be

equally shared with the patron. There will be no reduction for time lost at Christmas, nor during the first four or last six weeks of the term:

Applicants for diplomas must have one year's study on some other instrument.

Applicants for certificates and diplomas will be expected to attend the series of lectures and concerts given by the Director in his studio.

For further information address the Director.

Write to the Director for the Department of Music and Fine Arts Bulletin.

From *Lyceumite and Talent*, Chicago, Ill.:

"One of the handsomest booklets that have come to our attention lately is that of the University of Arkansas Conservatory of Fine Arts. The front cover design was designed by Jessie Lee, one of the students of the university, we believe. This booklet is printed on fine Strathmore stock, deckle edge, and the illustrations tipped-in in a very artistic manner."

SPECIAL ADVANTAGES OF CONSERVATORY INSTRUCTION.

Aside from the opportunity of instruction by teachers of recognized ability, the advantages of conservatory over private instruction are so manifest that we deem it hardly necessary to enumerate the many points in its favor.

It is almost impossible for the private teacher to give the required attention to the different theoretical branches, such as harmony, counterpoint, composition, ear training, etc., which are absolutely essential to a thorough musical training; at the same time, the lectures on musical history, the public recitals, as well as the close association with a large number of earnest students, create a certain musical atmosphere which is a great aid and stimulus to an increased effort on the part of the pupils. Students are required to attend lessons regularly, teachers have no business matters to occupy their time, and can concentrate their full attention on the musical education of their pupils.

RECITALS.

Especial attention is called to the recitals of both pupils and faculty, of which a number are given each year, and which have won a reputation for artistic excellence. The advantage derived from these can not be overestimated.

At the pupils' recitals, all pupils are privileged and expected to appear as their talents and advancement may warrant. Not only does this offer them a greater incentive to put forth their best efforts, but it helps them to overcome the nervousness which often mars the performance of students who have not the opportunity of performing frequently before an audience. The recitals given by the members of the faculty have attracted especial attention, and needless to say, are a further aid to pupils.

In the Department of Elocution special recitals of Shakespeare, Tennyson, Browning, Longfellow, Poe, Holmes, and other good masters of literature are given during the year, also monologues and a list of selections adapted from popular authors.

ORCHESTRA.

Students of the violin and other orchestral instruments will, as soon as possible, be admitted to membership in the University orchestra, which takes part in concerts. This practice is a decided advantage, as well as a source of pleasure to the student. Orchestral and chorus practice is free to students of the University.

PIANO.

MR. TOVEY, MISS BLAKE, MISS WOOD.

COURSE OF INSTRUCTION.—It has not been deemed advisable to adopt any set of studies to be used arbitrarily, but rather to select a course to suit the needs of the individual pupil. A general outline of the plan of study will be given. Exercises without notes are used for the purpose of acquiring control over positions and motions, firmness, pliability and elasticity. The aim is to develop the student's power of musical conception, to gain control over all technical resources, and finally, to adapt these resources to artistic ends.

PREPARATORY GRADE—National Graded Course Books I and II; simple exercises for wrist development, major scales, broken chords and arpeggios. Sonatas by Diabelli, Clementi, Kuhlau, Lichner; studies from Koehler, Biehl, Loeschorn, Czerny, Gurlitt, salon pieces; preparatory octave work. Special care will be taken in this elementary instruction, as herein lies the foundation of the future pianist.

Pupils passing from the Preparatory to the Intermediate Grade must first pass a written examination in the rudiments of music and be able to play the major scales at the metronome mark 120, 4 notes to a beat.

INTERMEDIATE GRADE—Selected techniques from Tausig, Krauss, Heller, Loeschorn, Op. 66; Czerny, Op. 290; sonatas by Mozart, Haydn, Beethoven, Mendelssohn's songs without words; Smith's and Low's Octave Studies; duets for piano and piano and violin, Bach's Little Preludes and Fugues.

In passing from the Intermediate to the Advanced Grade, pupils must be able to play major and minor scales, similar and contrary motion at 144—4 notes to a beat. Arpeggios, major and minor, at 120—4 notes to the beat; Octaves, at 80—4 notes to the beat.

ADVANCED GRADE—Extended scales in various accents; diminished and dominant seventh, arpeggios; Etudes from Czerny, Op. 740; Heller, Op. 45; Cramer, Clementi Gradus ad Parnassum; Kullak Octave Studies; Bach Suites, Preludes and Fugues; Chopin, Op. 10 and 25, Valses, Nocturnes, Polonaises, Preludes; Beethoven Sonatas; pieces by Mendelssohn, Schumann, Schubert, Liszt, Grieg, MacDowell and other composers, classic and modern.

Pupils of advanced grade who have obtained the required proficiency may be considered candidates for the diploma granted by the department, and will be ranked as Seniors.

Piano Practice.

Pupils can arrange at a very moderate expense to do their daily practicing at the University, in case this should prove desirable.

PIPE ORGAN.

MR. TOVEY.

The aim of this department is to fit pupils for holding church positions. To any one expecting to make music a profession, the knowledge of organ playing will be found especially helpful.

The preliminary organ work is based on Ritter's Organ School and Thayer's Pedal Studies. Then follow Buck's Study in Pedal Phrasing, Bach's Little Preludes and Fugues and selections from the best composers for organ, such as Guilmant, Lemare, Fourné, Hollins, Rheinberger and others.

Mr. Fovey was elected a colleague of the American Guild of Organists, June, 1909.

VIOLIN.

MR. DEPUE.

The violin is by many considered the most difficult of instruments, and requires careful and conscientious study. Much depends on the beginning. Often a pupil begins to study with an inexperienced teacher, or one who does not concentrate his attention on this difficult instrument, and consequently falls into bad habits of position, bowing, or technique, that make advancement difficult, and are in many cases almost impossible to overcome. The pupil is taken from the beginning and carefully brought through the most difficult phases of the violin. In addition to his exercises, he is, as soon as possible, given pieces within his capacity.

The course of study includes the following:

FIRST AND SECOND GRADE—Studies by Schubert and DeBeriot, diatonic scales, Blumenstengel and Dont, solos in the first and second positions.

THIRD AND FOURTH GRADES—Kayser and Kreutzer studies, diatonic and chromatic scales in all positions, bowing studies, Concertos of Accolay, Viotti, Rode.

FIFTH AND SIXTH GRADES—Kreutzer, Dont and Rode studies, DeBeriot, Spohr and Mendelssohn Concertos, Beethoven and Handel Sonatas.

VOICE.

MRS. BATEMAN.

In this branch special stress is laid on the control of the breath, accuracy of tone, and distinct articulation; next, the development of mind, body, and voice, cooperately. There is study of intervals, scale building and sight reading. As early as practicable the student is trained in phrasing. The exercises used are those best adapted to the needs of the pupil. Songs of

the best American, English, German, French and Italian composers are used according to the progress of the pupil. There is study of opera and oratorio.

The purpose of the instruction in this department is the correct production of tone and the building and development of the voice according to the old Italian method as used by the greatest artists of olden and modern times. The course includes studies in sustained singing and agility, explanations of the mechanism of the voice as far as is necessary, correct breathing and position in singing, chest development.

The method is such as to develop and strengthen the voice, the aim being beauty and strength of tone, then facility of execution. Special attention is paid to the particular needs of each individual with exercises and studies carefully selected according to the requirements of each voice.

LIST OF VOCAL MUSIC USED.

MRS. BATEMAN.

PREPARATORY GRADES—

Marchesi's Individual Exercises.

Panofka's Vocalises; op. 85.

Studies for sight reading and easy songs.

INTERMEDIATE GRADES—

Concone, Op. 12.

Concone's Lessons, Op. 17, and third and fourth grade songs, including oratorio.

Marchesi's Individual Exercises.

Panofka's Vocalises, Op. 81.

Sieber's Vocalises, Op. 94.

ADVANCED GRADES—

Lamperti's Studies in Bravura.

Oratorio and operatic arias and difficult songs in English, French, German and Italian.

HARMONY (Four Terms).

MR. TOVEY.

FIRST TERM—Keys, scales and signatures; intervals; formation of triad; chord connection; simple part writing, chords of the seventh and their inversions, altered and augmented chords

SECOND TERM—Modulation.

THIRD TERM—Modulation continued, suspensions; passing chords; unharmonic notes, organ point, harmonizing melodies.

FOURTH TERM—Keyboard work, playing from figured basses; double chants and chorals. *Text books*: Stephen A. Emery's Harmony; Krebs's Manual of Modulation.

SIGHT READING.

Due prominence is given to the training in sight reading. Playing from memory is cultivated. Much attention is given to duo and quartette playing, and ensemble work. The opportunity of hearing good music is earnestly coveted for our pupils.

TEACHER'S COURSE.**MR. TOVEY.**

Those desiring to become teachers will be given special preparation when they are sufficiently advanced in their branches.

MUSICAL HISTORY (Two Terms).**MISS BLAKE.**

FIRST TERM—General history, development and influence of music among ancient peoples. Early Christian music. Polyphonic music. Rise of dramatic and instrumental music. Development of the different musical instruments.

SECOND TERM—Development of the opera and the oratorio. The romanticists. Modern music and musicians. *Text-books*: W. S. B. Matthew's History of Music, Upton's Standard Operas.

Mr. Tovey also offers a course in post graduate work and a course in accompaniment.

In connection with the study of opera, the Victor Talking Machine is used. Concerts are given twice a month, each program being confined to an opera. The story of the opera is told, and the records of the world's greatest singers are played.

CERTIFICATES.

In replying to the many inquiries regarding the period of study required for graduation, it must be said that it is difficult to

answer this question, as all depends upon the ability and application of the student. Some will accomplish in one year what it takes others two or three times as long to complete. The term varies from four to six years. A graduate must be able to give acceptably a recital in the chosen branch, besides passing examinations in Harmony and in History of Music. Diplomas are conferred upon graduates. On request, certificates are issued to those finishing a portion of the course. As the standard set in this department is that required by the best conservatories of the country, a certificate obtained under these conditions has a meaning. A fee of five dollars is charged for the diploma granted by the Department of Music of the University of Arkansas.

THE REQUIREMENTS FOR A DIPLOMA IN THE DEPARTMENT OF MUSIC are such as are outlined for the course in Music, English, Modern Languages, History or Economics. No definite number of hours in music are required, but the applicant will be entitled to a diploma whenever the Director is satisfied that the applicant possesses sufficient knowledge, technique and ability and has completed the theoretical course, regardless of the time required for its completion.

The course as required is as follows:

Two years' College English.

Two years' Modern Language.

One year History 2, or Economics 1 (optional).

One year's study of some other instrument.

Two years' Harmony.

One year History of Music.

The entrance requirements for English, Modern Language, History and Economics are same as for the same studies in any other course.

Entrance requirements to the Music Course for pupils desiring to be classed as Freshmen, and working toward graduation from the department are as follows:

12½ units.

Required English 3 units. (admitting to English 1).

History 1 unit. (admitting to History 2).

Elective 8½ units including music. The number of credits to be given for music, determined by the Director.

There are no entrance requirements for pupils who wish to take special music.

Only in exceptional cases will a student be allowed to graduate after but one year in the Conservatory of Music of the University of Arkansas, and that only when the previous training has been of the best and the pupil shows natural ability of high order.

Only pupils receiving diplomas will be classed as Seniors in the Department of Music and Art.

Enrollment from September 15, 1909, to February 8, 1910:

Piano	87
Organ	10
Violin	14
Musical History	24
Harmony	46
Elocution	116
Voice	30
Physical Culture	142
Art	91
	560

The studios of the Department are on the third floor. The studios of the Director have recently been redecorated by the Tobey Furniture Company, of Chicago. Several new Bush and Gerts pianos have been placed in the studios. The Bush and Gerts piano is used exclusively by Mr. Tovey for concert and teaching purposes.

From the *Musical Courier*, New York City, December 16, 1908.

"The curriculum of the Department of Music in the University of Arkansas is very thorough and modern, and is worthy of the University with which it is connected. From an inspection of the musical numbers given by the students at their recitals, and a scrutiny of the general work performed by them, it is evident that the University of Arkansas has an excellent Department of Music."

December, 1905.

Mr. Henry Doughty Tovey has been associated with me in musical work. He possesses artistic attainments of a high order and I predict for him a successful career. I have a high opinion of his talent and endorse him in every way.

(Signed)

EMIL LIEBLING, Chicago.

From *Musical America*, May 22, 1909, New York:

"Apropos of the statement made by Mrs Fannie Bloomfield-Zeisler, our eminent American pianiste, in a recent interview, to the effect that more musical atmosphere might be found in the United States than in Europe, Mr. Finck, in the *Evening Post*, quotes the case of a highly esteemed correspondent who says that this opinion of Mrs. Bloomfield Zeisler may hold good for music centers, like New York and Boston, but that as soon as one strays into smaller communities the matter assumes an entirely different aspect. This is particularly true of the university towns in the middle west and south, where the faculties of the music departments often are struggling to foster a taste for noble music in the face of the most discouraging obstacles.

"As an exception to this, the case of the State University of Arkansas, the music department of which is under the energetic Mr. Tovey, is quoted, which throughout last winter gave a series of Grieg recitals, at which many of the Norwegian's finest compositions, including sonatas for violin and 'cello, were ably performed, while the Glee Club, under Dr. Carroll, sang Grieg's 'Land Sighting' at its numerous concerts throughout the State"

Fine Arts Building, Chicago, Ill., October, 1909 "It gives me pleasure to state that Mr Henry D. Tovey was a pupil of mine for a short time, during which time I found him possessed of much talent, intelligence and unusual ability. Since this time Mr. Tovey has filled the position of instructor in the Ouachita College School of Music, and as Director of Music in the University of Arkansas with great success. His enthusiasm, earnestness of purpose, and versatility together with a progressive spirit, have made him unusually successful. He should succeed admirably in any position he might be willing to fill."—MARY WOOD CHASE.

October 27, 1909. "Mr. Henry Doughty Tovey has been at the head of the Department of Music and Art in the University of Arkansas for the past two years. He enjoys a wide reputation as a musician. His concerts are entertaining and in the highest degree artistic."—JOHN N. TILLMAN, President of the University of Arkansas.

Some programs given by the Department of Music.

SACRED CONCERT

GIVEN BY

THE DEPARTMENT OF MUSIC

Sunday Afternoon, June 6th

at 3:00 o'clock

- Quartette—Adore and Be Still.....*Gounod*
 (Violin Obligato, Miss Cooke)
 Mrs. Bateman, Miss Roberta Kilpatrick
 Mr. Smith, Mr. Clair Tovey
- Nocturne (for two pianos).....*Jensen*
 Miss Barrett, Miss Schoolfield, Miss Horton, Miss Willson
- Violin Duets.....*Pache*
 Serenade
 Pizzicato Gavotte
 Miss MacAdams, Mr. Lynch
- Ladies' Trio—Sun of My Soul.....*Tovey*
 (Violin Obligato, Miss Cooke)
 Miss Moore, Miss Roberta Kilpatrick, Miss Aiken
- March Heroique (for two pianos).....*Saint-Saens*
 Miss Willson and Mr. Tovey
- Vocal—O Jesus, Thou Art Standing.....*Owen*
 Mr. Edwin Claire Tovey
- Violin—Largo.....*Handel*
 Miss Roberta Kilpatrick
- Vocal—Rock of Ages.....*Bischoff*
 Miss Moore
- Reading—The Heart of Old Hickory.....*Dromgoole*
 (From "Tales of Tennessee.")
 Mr. Eugene Brady
- Quartette—Crossing the Bar.....*Schnecker*
 (Violin Obligato, Miss Cooke)
- Inflamatus (Stabat Mater).....*Rossini*
 Mrs. Bateman and Chorus
 (Mr. Tovey at the Piano)

CONCERT

GIVEN BY

THE DEPARTMENT OF MUSIC

Tuesday Evening, June 8, 1909

at 8 o'clock

- Overture to "The Chimes of Normandy." } ORCHESTRA
 Overture to "The Pirates of Penzance." }
- Chorus—Gypsy Life *Schumann*
- Quartette (for two pianos)..... *Greig*
 Morning. In the Hall of the Mountain King
 Miss Williams, Miss Trimble, Miss Kilpatrick, Mr. Tovey
- Violin—Waltz..... *Warner*
 Gene Ramsey
- Vocal—Lovely Flowers, I Pray (Faust)..... *Gounod*
 Miss Eoff
- Reading—For Dear Old Yale..... *Langston*
 Mr. J. P. Woods
- Violin—Homage a la Amite *Dancla*
 Miss MacAdams
- Vocal Trio—Down the Rhine..... *Rheinberger*
 Miss Moore, Miss Roberta Kilpatrick, Miss Aiken
- Violin—Hongroise *Hausert*
 Miss Roberta Kilpatrick
- March Militaire *Saint-Saens*
 From the Algerienne Suite for two pianos)
 Miss Barrett and Mr. Tovey
- Vocal—My Heart At Thy Sweet Voice..... *Saint-Saens*
 Miss Moore
- String Trio—Gypsy Music *Mohr*
 Miss Cooke, Miss MacAdams
 Miss Roberta Kilpatrick, Mr. Lynch, Mr. Crooks
- Reading—The Arena Scene from "Quo Vadis"..... *Sienkiewicz*
 Miss Chapman
- Vocal—Nymphs and Fauns *Bemberg*
 Miss Roberta Kilpatrick
- Chorus—Evening Prayer in Brittany..... *Chaminade*
 Mr. Tovey at the piano

PIANOFORTE AND SONG RECITAL

HENRY DOUGHTY TOVEY, Pianist

EDWIN CLAIR TOVEY, Baritone

FROM THE WORKS OF EDVARD GRIEG

October 30, 1907

Sonata, Op. 7.

Norwegian Dance, Op. 35, No. 2.

Humoreske, Op. 60, No. 1.

Ballade in G minor.

Margarethlein.

Im Kahne.

Eleven Lyric Pieces.

Arietta.

Remembrances of the Arietta.

Solitary Wanderer.

Little Bird.

To the Spring.

Melody.

Four Songs.

A Bonny Curl.

Solvejg's Cradle Song.

*Impressions.

Resignation.

Norwegian Folk Song.

Scherzo-Impromptu.

Zur Johannisnacht.

Shepherd's Boy.

Scherzo.

Vanished Days.

Cradle Song.

Wedding Day.

The Swan.

Autumnal Gale.

A Ride at Night.

Student's Serenade.

*The last piano compositions published. First performance in the South.

RECITAL

GIVEN BY

MISS RUTH BARRETT, Pianist

(Pupil of Mr. Tovey)

Monday, May 10, 1909, at 4:00 p. m.

Keltic Sonata MacDowell

Maestoso.

Semplice.

Two Dances (for two pianos) Debussy

Sacred Dance.

Profane Dance.

Pas des Cymbales (for two pianos) Chaminade

Miss Barrett and Mr. Tovey

Serenade to the Moon Pugno

Witche's Dance MacDowell

A Garden in the Rain Debussy

Algerienne Suite (for two pianos) Saint-Saens

Prelude.

Reverie

Marche Militaire Francaise.

Miss Barrett and Mr. Tovey.

TWO-PIANO RECITAL

MISS ELSIE DEVOE

AND

MR. TOVEY

May 17, 1907

Concerto in A Minor		<i>Grieg</i>
Allegro molto moderato.	Mr. Tovey	
Adagio.		
Allegro moderato e marcato.	Miss Devoe	
Concerto in D minor		<i>.. Rubenstein</i>
	Mr. Tovey	
Concerto in G minor		<i>.. Saint-Saens</i>
	Mr. Tovey	
Concerto in A minor		<i>MacDowell</i>
	Miss Devoe	

TWO-PIANO RECITAL

GIVEN BY THE PUPILS OF

MR. HENRY DOUGHTY TOVEY

Dec. 16, 1909

Overture to Tannhauser.....	<i>Wagner</i>
Miss Helen Adams	
Impromptu Roccoco.....	<i>Schutt</i>
Miss Virginia Hall	
Intermezzo.....	<i>Chaminade</i>
Mornin'z.....	<i>Chaminade</i>
Miss Josephine Williams	
La Sevillane.....	<i>Chaminade</i>
Miss Elise Hay	
March Heroique.....	<i>Saint-Saens</i>
Miss Beulah Herring	
Romance and Variations on a Norwegian Theme.....	<i>Grieg</i>
Miss Burrows	
March Solenne.....	<i>Cu</i>
Miss Kilpatrick	
Caprice.....	<i>Mendelssohn</i>
Miss Droke	
Andante and Scherzettino.....	<i>Chaminade</i>
Miss Scurlock	
Voice—Nymphs and Fauns.....	<i>Bemberg</i>
Miss Roberta Kilpatrick	
Espana.....	<i>Chabrier</i>
Miss Schoolfield	
Jota Argonaisse.....	<i>Saint-Saens</i>
Waltz.....	<i>Wilm</i>
Miss Williams	
Concerto.....	<i>Chaminade</i>
Miss Mock	
Mr. Tovey at the second piano.	Bush & Gerts piano used.

TWO-PIANO RECITAL

GIVEN BY THE PUPILS OF

MR. HENRY DOUGHTY TOVEY

ASSISTED BY PUPILS OF

MRS. MARY CUMMINGS BATEMAN
MRS. WILLIE VANDEVENTER-CROCKETT

—AND—

MR. RALPH LYNCH, Violinist.

December, 11, 8 P. M.

PROGRAM

Quartette—From "Peer Gynt".....	Grieg
Morning	
In the Hall of the Mountain King	
Charlotte Kilpatrick, Nelle Trimble, Louise Williams, Hazel Eno.	
Two Spanish Dances.....	Moszkowski
Margaret Stuckey	
Songs—A Little Thief.....	Stern
A Memory.....	Park
Kathleen Tillman	
Paraphrase on a Chopin Waltz.....	Schuett
Lucile Horton.	
Song—A Song of Thanksgiving.....	Allisen
Susie Moore	
Evening.....	Chaminade
Morning.....	Chaminade
Genevieve Mock	
Humoreske.....	Dvorak
Ralph Lynch	
Romance and Variations.....	Grieg
Delbert Norton	
For All Eternity.....	Mascheroni
Lexie Bell	
Violin Obligato, Miss Cooke	
Reading—Bill, the Lokil Editor.....	Eugene Field
Ellen Harrison	
Two Dances.....	Debussy
Sacred Dance	
Profane Dance	
Pas des Cymbals.....	Chaminade
Ruth Barrett	
Songs—Spinning.....	Couen
Love's Dilemma.....	Richardson
Roberta Kilpatrick	
Quartette—Waltz in A-Flat.....	Moszkowski
Aileen Spencer, Virginia Hall, Maud Bryan, Alice Collins	

Accompanist, Claudia Wood.
Second Piano, Henry Doughty Tovey.

"The two-piano program given by the pupils of Henry Doughty Tovey the worthy of Berlin, Paris, or New York. —MUSICAL COURIER, New York, 1909

TWO-PIANO RECITAL

GIVEN BY

MISS RUTH BARRETT

(Pupil of Mr. Tovey)

AND

HENRY DOUGHTY TOVEY

Assisted by EDWIN CLAIR TOVEY, Baritone

WEDNESDAY, MAY 26, 1909, 4:00 P. M.

Saltarelles	Le Savant. La Coquette.	Le Reveur La Danseuse.	<i>Arensky</i>
Variations on an Original Theme.....			<i>Schuett</i>
Three Songs—Summer Rain.....			<i>Willeby</i>
'Twas in a Land.....			<i>Chaminade</i>
Folk Song.....			<i>Foote</i>
Concerto in D minor.....			<i>Schuett</i>
Allegro Energico.	Moderato Assai.		
Mr. Tovey			
(Orchestral parts on a second piano, Miss Barrett.)			
Poetto-Sonata	Le Baroque.	Chopin.	<i>Dubussy</i>
	Ballet.		

PIANOFORTE AND SONG RECITAL

(From the Works of Edward MacDowell.)

HENRY DOUGHTY TOVEY, Pianist

EDWIN CLAIR TOVEY, Baritone

FEBRUARY 28, 1907

Prelude and Fugue in D Minor.			
Tragic Sonata.			
Three Songs—			
Long Ago.		A Maid Sings Light.	
The Swan Bent Low to the Lily.			
Thy Beaming Eyes.			
Piano—A Tale.		Idyl in B Flat.	Hunting Song
March.		Idyl in A Minor.	
Three Small Poems (by request)—			
The Eagle.		Moonshine.	Winter.
Humoreske Op. 24, No. 1.			
Two Old Songs—Deserted.		Slumber Song.	
Piano—Six Woodland Sketches—			
To a Wild Rose.		In Autumn.	By a Meadow Brook.
A Deserted Farm.		To a Waterlily.	At an Old Trysting Place.
Second Concerto in D Minor.		Op. 23.	
(With Second Piano.)			

FACULTY RECITAL

GIVEN BY

SUE BELLE WOOD	Pianist
THEODORE MacMILLAN BLAKE.....	Pianist
KATIE DEE COOKE.....	Violinist
MARTHA HUDSON WHITE.....	Reader
WILLIE VANDEVENTER-CROCKETT.....	Reader
MARY CUMMINGS-BATEMAN.....	Soprano
HENRY DOUGHTY TOVEY.....	Director

Saturday, December 4, 1909

at 8 P. M.

PROGRAM

Suite Op. 15 (for two pianos).	<i>Arensky</i>
Romance.	
Waltz.	
Miss Wood and Miss Blake	
From "Macbeth".	<i>Shakespeare</i>
Act 1. Scenes 5 and 6.	
Act 2. Scenes 1 and 2.	
Act 5. Scene 5.	
Mrs. White	
Elsa's Dream (Lohengrin).....	<i>Wagner</i>
Mrs. Bateman	
Concerto	<i>Sinding</i>
Andante.	
Allegro.	
Miss Blake	
Second piano, Mr. Tovey.	
Serenade.....	<i>Drdla</i>
Romance	<i>Rubinstein-Wiecznanski</i>
Miss Cooke	
The Happy Prince.....	<i>Oscar Wilde</i>
Mrs. Vandeventer-Crockett.	
(Incidental Music by Liza Lehmann, played by Mr. Tovey.)	
Love's Springtide	<i>George Hammond</i>
The Robin Sings in the Apple Tree.....	<i>MacDowell</i>
I Once Had a Dear Little Doll, Dear.....	<i>Henshell</i>
Mrs. Bateman	
Concerto	<i>Schott</i>
Allegro energico.	
Mr. Tovey	
(Orchestral Parts on a second piano played by Miss Wood)	
Permission to use "The Happy Prince" given by Chappell and Co., London, England. Bush & Gerts piano used.	

PIANOFORTE AND SONG RECITAL

HENRY DOUGHTY TOVEY, Pianist

EDWIN CLAIR TOVEY, Baritone

MAY 2, 1907.

Preludes Nos. 1 and 11	<i>Chopin</i>
Impromptu. Op. 29	<i>Chopin</i>
Waltz. Op. 64, No. 1.	<i>Chopin-Ferratta</i>
Symphonic Etudes.	<i>...Schumann</i>
Spring	<i>...Henselt</i>
Summer.	<i>Backer-Grondahl</i>
Autumn	<i>Chaminade</i>
Winter.	<i>MacDowell</i>
Waltz in D flat..	<i>Wieniawski</i>
Four Children's Songs.	
Baby Moon	<i>Willeby</i>
Little Pilgrim..	<i>..Willeby</i>
If I Had A Dolly .	<i>..Lohr</i>
Mother-My-Love	<i>Wheeler</i>
Humoreske in C	<i>..Grieg</i>
Love Thee.	<i>Grieg</i>
Moorish Tone Picture	<i>..Coleridge-Taylor</i>
Humoreskes in G minor and A major.	<i>..Coleridge-Taylor</i>
False Note Etude	<i>..Rubenstein</i>
Three Songs.	
Mirage	<i>Lehmann</i>
Rosemary.	<i>.....Willeby</i>
Haymaking	<i>...Needham</i>
Improvisation on the Brahms's Lullaby.	<i>Bendel</i>
The Blue Danube Waltzes.....	<i>Strauss-Schulz-Ertel</i>

CONCERT

GIVEN BY

MISS KATIE DEE COOKE, Violinist**MRS. JOSEPH LEE HEWITT, Cellist****MR. EDWIN CLAIR TOVEY, Baritone****MR. HENRY DOUGHTY TOVEY, Pianist**

FEBRUARY 5, 1909

FROM THE WORKS OF EDVARD GRIEG

(1845-1907)

PROGRAM.

SONATA FOR 'CELLO AND PIANO. OP. 36.

Allegro agitato.

Andante molto tranquillo.

Allegro.

THREE SONGS.

Magarethlein.

Im Kahne.

Zur Johannismacht.

CONCERTO FOR PIANO IN A MINOR.

Allegro molto Moderato.

Adagio.

Allegro moderato molto e marcato.

THREE SONGS.

The Swan.

Solveig's Cradle Song. ("Peer Gynt.")

Autumnal Gale.

SONATA FOR VIOLIN AND PIANO. OP. 13.

Lento doloroso—Allegro vivace.

Allegretto tranquillo.

Allegro animato.

“TALES OF A WAYSIDE INN”

BY HENRY WADSWORTH LONGFELLOW

Given by the

CLASS IN ELOCUTION

Assisted by Music Pupils

TUESDAY AFTERNOON, MARCH 30TH

At 1:30 o'clock

“Then read from the treasured volume
The poem of thy choice,
And lend to the rhyme of the poet
The beauty of thy voice.”

Henry Wadsworth Longfellow.

Miss Elizabeth Nichols.

Tales of a Wayside Inn.

Miss Bess Carnall.

Polonaisen Op. 40, No. 2.....*Chopin*

Miss Schoolfield.

Prelude—The Wayside Inn.

Miss Quinland Southworth, Miss Emma Hilt.

Piano Duet—La Capricieuse.....*George Eggelin*

Miss Mardis, Miss Scurlock.

The Landlord's Tale—Paul Revere's Ride.

Miss Ruth McCartney.

The Spanish Jew's Tale—The Legend of Rabbi Ben Levi.

Miss Inez Hudson.

(Program continued Tuesday, April 6, 1:30 p. m.)

The Sicilian's Tale—King Robert of Sicily.

Miss Ruby Craven.

Valse Brillante—Faust.....*F. Burgmuller*

Miss Aileen Spencer.

The Theologian's Tale—The Legend Beautiful.

Miss Ida Lansdall.

The Student's Second Tale—The Baron of St. Castine.

Miss Aileen Spencer, Miss Willie Kantz.

Valse Op. No. 1

Chopin

Miss Beulah Herring.

The Poet's Tale

.....*Charlemagne*
Miss Teresa McManus.

"TWELFTH NIGHT, or WHAT YOU WILL"

By WILLIAM SHAKESPEARE

GIVEN BY

CLASSES IN EXPRESSION.

MRS. WILLIE VANDEVENTER-CROCKETT

INSTRUCTOR

SATURDAY, JUNE 16, 1906

"THE COLLEGE WIDOW"

GIVEN BY

PUPILS FROM THE ELOCUTION DEPARTMENT

SATURDAY EVENING, JUNE 5TH, AT 8:30 O'CLOCK. /

"MERELY MARY ANN"

A COMEDY IN FOUR ACTS ADAPTED BY ISRAEL ZANGWILL FROM HIS

STORY OF THE SAME NAME BY

UNIVERSITY DRAMATIC CLUB

FROM EXPRESSION DEPARTMENT

UNDER THE DIRECTION OF

MRS. WILLIE VANDEVENTER-CROCKETT

UNIVERSITY OF ARKANSAS

SATURDAY EVENING, JUNE 6TH, 1908.

ELOCUTION.

MRS. VANDEVENTER-CROCKETT.

The studios are on the third floor of the main building and are large, sunshiny and airy. The departmental library is contained in handsome cases in one of the class rooms. The stage room will seat about one hundred and fifty people; it has recently been refurnished and redecorated. There is a unity of effect that is charming and an art environment that is refining and inspiring. There are given the open class programs, the informal student recitals, some evening programs and the individual recitals of private pupils and of the Senior class.

Large rooms on the north wing of University Hall are set apart for the use of classes of Physical Culture. These rooms have been furnished with suitable lockers and other customary conveniences, and with the equipment necessary for systematic physical training. To these rooms the public is cordially invited to witness the exhibitions given by the different classes at special dates during the year.

Courses are offered in Vocal Expression, Philosophy of Expression, Psychology of Expressive Movement (gesture), Impersonation, Public Reading, Drama, Rendering of Shakespearean Text and Character, Platform Art, Study of Literary Masterpieces through Interpretation, Pantomime, Practical Drill and Criticism, Training of the Speaking Voice, Vocal Technique, Method of Teaching.

The department meets the need of many who realize the value of training for the development of personal power and for the opening up of new and enduring fields of culture. Expressional training of the best kind refines the sensibilities, cultivates beauty of speech, trains the intellect, educates the emotions, broadens the sympathies, gives keener insight into and deeper understanding of life, puts the student into best and fullest command of voice and body, and therefore into easier, more harmonious, and more effective relations with his fellow men. The aim of the department is to enable the student to transform knowledge and truth into character and action, to produce a cultured personality, possessed of great expressional power, to cultivate a personal taste for literature and ability to interpret and express it is considered more valuable than mere theoretical knowledge.

Elocution is the hand-maid of literature, just as instrumental playing is the hand-maid of music. Expressive reading tends to increase the love for good reading and is a valuable means of mental discipline. The study of elocution develops the imagination to the extent that enables the pupil to understand, appreciate and love the best in literature.

The value of public speech is emphasized as a most powerful agency and as an avenue to recognition and usefulness. Instruction is given to those who really love the art of self-improvement and who, because they have a future to live up to, are willing to work faithfully and well. When the student has found his best self, and has learned to express that self, he has received the best possible preparation for the work of life.

1. The work comprehends all that relates to the study and the teaching of the fine art of public reading, the understanding of the relation of art to life, the study of the interpretative forms of literature and the careful training of all the faculties and agents necessary to the artistic translation of these forms back to life. The process of instruction founded upon recognized principles of art and life is revelatory and self-discovering, rather than arbitrary and academic.

The imagination is cultivated, the emotional nature is developed and controlled, and the will is strengthened by learning to follow a train of thought. The effects are naturalness, directness and repose.

2. Training in vocal expression, philosophy of expression, psychology of expressive movement (gesture), impersonation, public reading, oratory, drama, rendering of Shakespearean texts and characters, study of literary masterpieces for interpretation, training of the speaking voice, the voice treated as an instrument. The object of the training is to free and develop this instrument and render it obedient and responsive to thought and emotion.

Lectures on the physiology and hygiene of the voice, and the relation of the vital organs to the vocal, the fundamental principles of voice production and its relations to the nervous system, deep and rhythmic breathing, placing of tones, projection of tones, development of resonance, flexibility, freedom, smoothness, purity, power and brilliancy of tone, voice as an interpreter of mental states and its relation to imagination and feeling, over-

coming individual defects in vocal organs, clear articulation and perfect enunciation.

3. Oratory—a study and delivery of some of the great orations and the methods adopted by the leading orators, Bible and hymn reading, practice in the laws that govern universal art as applied to oratory and original speeches.

4. The chief aim of the work is to awaken the student; to free him from constrained, limited and erroneous habits of thought, action and voice; to open his avenues of impression, to quicken his imagination and to give him knowledge and control of his agents of expression, to lead the student into a knowledge and understanding of the interpretative forms of literature, the poem, the story, the oration, the caricature, the play; to develop his emotional response to his thought and to train him to control his emotions by his artistic judgment.

All normal students in the University are required to have a year at least in elocution and in physical culture. The work in elocution is given with a double purpose: First, to assist the teacher to teach reading, second, to help the teacher to improve his own reading. The importance of this work can not be overestimated. A successful teacher of reading must appreciate the meaning and beauty of literature. A student, to accomplish the best in his school life, should cultivate the power of genuine thought getting. The work of dramatic art consists of the study and presentation of plays of high standing, not only for their entertaining, but educational qualities as well. It is absolutely certain that students who undertake the masterpieces of dramatic literature in theatrical productions learn more of the literature of the drama in their dramatic performance of plays than they can learn of such things in any other possible way, because of the mode of getting at the truth, the life, the spirit and meaning of the play in its actual performance. Through the performance of a Shakespearean play, the pupils acquire a better knowledge of Shakespeare, a greater appreciation of his language and art than they could possibly learn in any other way.

During the past three years the class in dramatic art, known as the "University Dramatic Club," has presented creditable performances of Shakespeare's "Twelfth Night," "The Taming of the Shrew," Israel Zangwill's "Merely Mary Ann," Geo. Ade's "College Widow."

"THE MAN ON THE BOX"

Given by the Dramatic Club from the Expression Department under the direction of Mrs. Vandeventer-Crockett, December 16, 1909.

Christmas program from the works of Henry Van Dyke, December 15, 1909.

During the second term of the year 1910 the following will be given: "The Lost Word," Van Dyke; "The House of a Thousand Candles," Nicholson; "She Stoops to Conquer," Goldsmith; "A Bachelor's Romance" and "Brown of Harvard."

Text-books used--Southwick's Elocution and Action, and Steps to Oratory; Stebbins-Astley's Physical Culture; Practice Book of the Leland Power's School; Talks on Some Fundamentals of Expression by Leland Powers and Carol Hoyt Powers; Emily Bishop's Interpretative Forms of Literature; S. H. Clark's Hand Book of Best Readings and How to Teach Reading in the Public Schools; Chamberlain and Clark's Principles of Vocal Expression and Literary Interpretation; S. S. Curry's Vocal and Literary Interpretation of the Bible, and Browning and the Dramatic Monologue; Clark and Blanchard's Practical Public Speaking; Walter Dill Scott's The Psychology of Public Speaking; studies of Literary Masterpieces and Shakespeare's Plays.

PHYSICAL TRAINING.

MRS. WHITE.

The Physical Training department of the University of Arkansas embraces a wide field for the development of the body. The methods adopted are those used in the leading gymnasiums in the United States. The best systems have been selected and brought to a practical basis that they may be utilized by young and old with wonderful results. The greatest care is used to select such movements as will correct defects and adjust all parts of the body. Each pupil has advice as to his needs and suitable exercises suggested to fill the need. Frequent talks are given on hygiene, physiology, anatomy and the relationship of mind to body.

Physical Culture as taught in the department is shown to be a mental training as well as body-building. The Ling system is used for discipline. Quick, accurate movements are given to secure co-ordination of muscle and mind. Ready obedience to

commands promotes great self-control. The Ralston system produces similar results though much more skill and power may be attained. The Emerson system perfects rhythm, harmony, and self-control. Nerve power is generated and latent nerve centers stirred into activity. Pose in bearing is an outgrowth from the practice of Emerson exercises. Several other systems are employed for corrective purposes. Dumb bell, Indian club, wand and bar bell drills are given for concert action as well as to perfect rhythm and to stimulate the nerves.

Apparatus work is taught on the horse, the ladder, the bar-stalls, the spring board, the parallel bars, the horizontal bars, the trapeze and mate exercises to develop elasticity and endurance.

The best results must ever be reached when breathing exercises are taken in connection with the physical work. Therefore much attention is given at the beginning of the course to proper inhalation and exhalation.

3. LECTURES—These are given on etiquette, morals, manners, laws of hygiene, hygienic dress, æsthetic and artistic culture as revealed by nature and art, and the relationship of nature and art.

ART DEPARTMENT.

MISS GALBRAITH AND MISS METZGER.

The work in this department is divided into two courses—Academic and Normal. Academic work consists of cast drawing in charcoal, from still life, the figure, and out-of-door sketching in all mediums. There is a class in applied design also. The Normal course is open to these students. The students of this class are required to bring up one original composition each week for criticism. The purpose is to develop and guide each student in individual expression.

The Normal course is designed to meet the requirements now made upon the teachers in the public schools of this State. The course includes drawing, composition and color work in different mediums. Every matriculate for the L. I. degree is required to take this course. This being a requirement of the Normal work, there is no tuition charged, but a fee of \$2.00 is required to cover cost of materials for the year.

Tuition in Academic class by terms of 18 weeks in advance, \$27.00; for one month in advance, \$0.50. A higher tuition is charged those not paying in advance.

COURSES.

FIRST YEAR—Simple free-hand perspective with light and shade, drawing of familiar objects and form casts in charcoal and water colors. Composition.

SECOND YEAR—Drawing from casts, sketching from life, still-life painting in oil and water colors. Composition. History of Art.

THIRD YEAR—Drawing from life, painting from life in oil, water color and pastel, sketching from nature. Composition. History of Art.

FOURTH YEAR—This year's work is practically the same as the third year, more independence being required.

Students are required throughout the course to bring up one original composition each week and to sketch from pose three hours a week.

No degree is granted in this department, but a diploma will be given on the completion of the following course:

FRESHMAN—

English, three hours.
Foreign Language, three
or four hours.
Biology, three hours.
History, two hours.
Art, four hours.

JUNIOR—

English, two hours.
Psychology, three hours.
Economics, two hours.
Elective, three hours.
Art, five hours.
Art History, one hour.

SOPHOMORE—

English, three hours.
Foreign Language, three
hours.
Economics, two hours.
Biology, three hours.
Art, four hours.
Art History, one hour.

SENIOR—

Ethics, three hours.
Elective, five hours.
English, two hours.
Art, five hours.
Art History, one hour.

THE PREPARATORY SCHOOL

Fayetteville.

JOHN NEWTON TILLMAN, LL. D.,
President.

WILLIAM ALLEN RAMSEY, A. M., PRINCIPAL,
Instructor in Mathematics.

NAOMI JOSEPHINE WILLIAMS, M. A.,
Instructor in Latin.

MARY ANNE DAVIS,
Instructor in English and History.

ELIZABETH WALKER JORDAN, B. S.,
Instructor in English.

ROWENA McCORD GALLOWAY, B. A.,
Instructor in English and French.

ANDREW JACKSON THOMAS,
Instructor in Mathematics.

MARY GARNETT HARGIS,
Instructor in Mathematics.

WILLIAM JAMES JERNIGAN, B. A.,
Instructor in Mathematics.

JOHN JEFFERSON DuLANEY, B. A.,
Instructor in Mathematics.

Instruction in German, Spanish, Italian, pedagogy, manual training, agriculture, art and music is given by collegiate instructors.

As the name implies, this school is maintained for the purpose of preparing students for admission to the Freshman class in any course in the University. With this purpose in view the courses have been arranged and instruction is given accordingly. While, incidentally, it serves to furnish secondary training to many who have poor or no high-school advantages at home, and who do not wish to pursue a collegiate course, still no special course is arranged for them. The course preparatory to the University normal course also prepares for teaching in the public

schools of this State, and the professor of that department offers a special short course for teachers who do not desire to take the full normal course. Most of this work is done in the Preparatory School, as is all the work of the first year in the L. I. course.

Up to and including the session of 1908-09, the school has given a two years' course, but at the end of that session the first year class was discontinued. The entire department will be discontinued after the year 1910-11.

Students seeking to enter the Preparatory School should be thoroughly prepared for examination in the subjects required for admission.

NOTE. Students entering after the session has begun will be examined also in the work passed over by their class. Students who hold first grade teachers' licenses, and who have had experience in teaching, will be admitted without examination to the second year class in the subjects covered by the licenses. Other grades of teachers' licenses and certificates of work done in other schools will be recognized to some extent in classifying students. A student should always bring with him all report cards and certificates of school work.

REQUIREMENTS FOR ADMISSION TO THE PREPARATORY DEPARTMENT.

Students desiring to enter the department will be examined upon the following:

1. **ARITHMETIC**—A thorough and accurate knowledge of the whole of common school arithmetic.
2. **ALGEBRA**—Milne's Standard Algebra, or equivalent; through quadratic equations.
3. **ENGLISH**—English grammar complete, and elementary composition; also, in English literature on the following works or their equivalent: Irving's *Life of Goldsmith*; Addison's *Sir Roger de Coverley*; Lowell's *Vision of Sir Launfal*; Coleridge's *Ancient Mariner*; Macaulay's *Life of Johnson*; Burke's *Speech on Conciliation*.
4. **HISTORY**—An advanced United States history, studied with special reference to growth and development.
5. **GEOGRAPHY**—The whole of some complete manual of geography.
6. **SPELLING AND WRITING**—Proficiency in these subjects is tested by the examination papers.
7. **LATIN**—Latin grammar; translation of Latin into English and English into Latin (covering two years' work).

8. **OTHER FOREIGN LANGUAGES**—First year's work.

9. **HISTORY OF ENGLAND**—Montgomery's, or equivalent.

10. Any elective work mentioned in the list of entrance credits on page 41, and not included in the above list.

The first six are required, absolutely, and are valued at four high school units. In addition, the applicant desiring to take Preparatory Latin, Greek, German or French, will take No. 7, or, if he desires an engineering or scientific course, he may substitute part or all of 8, 9, and 10.

The unit values of the above subjects are as follows: Algebra, one and one-half units; English, two units; United States History, one-half unit; Latin, two units; Civics, one-half unit; Physiology, one-half unit; English History, one unit.

EXAMINATIONS AT PLACES OTHER THAN FAYETTEVILLE.

Students living at a distance from the University may obtain local examinations if applied for in due time before the beginning of each session. The questions will be sent on application to the principal of any school or to any county examiner. The questions must be submitted by the principal or county examiner to the candidate under the usual restrictions of a written examination, and the questions and answers must be returned by the same officer to the University with his endorsement that the examination was properly conducted.

COURSES OF STUDY IN THE PREPARATORY SCHOOL.

The Preparatory School consists of one sub-college class, and students are required to complete twelve and one-half units as a condition of promotion to the University Freshman class. A student having completed the prescribed preparatory work in any subject, may be admitted to the Freshman class therein, provided no preparatory study is omitted for this purpose.

Special courses of study are discouraged in the Preparatory School, but students known to be in poor health or having physical defects which interfere with their studies, may be permitted by the faculty to defer one or more subjects and extend the course over a longer period.

The classification of preparatory students is governed by the rule stated under "Classification of Students" (page 57). Studies in lower classes have precedence of higher ones. Students can not, therefore, omit studies in the Preparatory School and take up collegiate courses, except in such cases as may be allowed by the faculty under paragraph 3, page 58.

The completion of twelve and one half units (including the entrance or examination credits, previously mentioned) of the following work is required for admission to the Freshman class.

PREPARATORY STUDIES		Hours per Week.	Unit Value.
Required 3½ Units.			
Algebra.....		2	½
Geometry.....		4	1
English.....		4	1
History of Greece and Rome.....		3	1
Elective, to complete 12½ units.			
Latin.....		4	1
Greek.....		4	1
French.....		4	1
German.....		3	1
Physics.....		3	1
Physiology.....		2	½
Civics.....		2	½
Agriculture.....		4	1
Wood and Forge Work.....		3	1
Pedagogy.....		2	½

NOTE—Students desiring to take the course leading to the A. B. degree must elect a foreign language. Those desiring to prepare for engineering or scientific courses are required to take preparatory physics, but may elect another unit study in the place of Greek and Roman History.

For first year teachers' course, see page 87.

DETAILED WORK OF COURSES.

ALGEBRA, 2—Milne's Standard Algebra, from Properties of Quadratics to end, as outlined in the standard course recently adopted and published by the State Teachers' Association.

GEOMETRY, 4—All of Durell's Plane Geometry.

ENGLISH, 4—(1) *Rhetoric*: Hill's Beginnings of Rhetoric.
2. *Composition*: Class-room themes, one each week, written and re-written, based upon assigned general reading, with especial attention given to spelling, punctuation, paragraphing and idiomatic expression. (3) *For General Reading*: Tennyson's Gareth and Lynette, Lancelot and Elaine, and the Passing of Arthur; Shakespeare's Macbeth and Merchant of Venice; Scott's Ivanhoe and Lady of the Lake; George Eliot's Silas Marner. (4) *For Careful Study*: Shakespeare's Julius Cæsar; Macaulay's

Essay on Addison; Milton's *L'Allegro*, *Il Penseroso*, *Comus* and *Lycidas*. (5) *For Memorizing*: Milton's *L'Allegro*, *Il Penseroso*, *Comus* and *Lycidas*, and selections from Shakespeare's *Julius Cæsar*, and Tennyson's *Idylls of the King*.

LATIN. 4—Four Books of *Cæsar*, or an equivalent; Bennett's *Grammar*, and Bennett's *Latin Writer*.

GREEK. 4—White's *Beginner's Greek Book*, with selections from Xenophon's *Anabasis*. A thorough mastery of the forms and constructions given in this book is required. M. T. W. Th. 4

GERMAN. 4—Lange's *German Method*; translation from German into English, elementary exercises in translating into German; memorizing of easy German songs. Or when one year of German is offered for entrance with one year of Latin, Greek or French, the following may be taken:

GERMAN. 4—Review of grammatical principles with especial reference to syntax; reading of works of modern authors; composition; sight reading; assigned reading; memorizing of German songs.

FRENCH. 4—Grammar (Aldrich and Foster); reading of easy French prose and translation of elementary exercises from English into French. Or when one year of French and one year of one other foreign language are offered for entrance:

FRENCH. 4—Review of grammatical principles with especial reference to syntax; composition; assigned reading; sight reading.

HISTORY. 3—Morey's *Outlines of Greek History*, first term; *Morey's Outlines of Roman History*, second term.

WOODWORKING. 4—Principles of carpentry and joinery; wood turning; cabinet work. Sickel's *Exercises in Woodworking*.

FORGING. 2—Management of fire; drawing; welding; riveting; tempering.

CIVIL GOVERNMENT. 2—Willoughby's *Rights and Duties of American Citizenship*; Forman's *Advanced Civics*.

PHYSICS. 3—*Physics*. Lectures, laboratory and written work. *Text*: Adam's *High School Physics*.

AGRICULTURE AND BOOKKEEPING. 4—Elementary Agriculture, Double Entry Bookkeeping and Commercial Law.

PEDAGOGY, 2—Halleck's Psychology and Psychic Culture, Kerr's Country Schools.

NOTE—In the preceding courses, the figure after each subject indicates the number of hours per week.

In addition to the requirements above mentioned, military science and tactics will be required of male students, or, when ever they are excused, one period per year in other work. One period per year in music, art, elocution, physical culture, or other work will be required of female students.

PREPARATORY SCHOOL SCHEDULE FOR 1910-1911.

SECTION	1	2	3	4	5	6	7	8	9
Algebra	Tu, Th, 6	M, W, 7	Tu, Th, 7	Tu, Th, 2	M, W, 1	Tu, Th, 1	M, W, 6	Tu, 1, 6	M, W, F, 2, Th, 5
Geometry	M, W, Th, F, 7	M, W, Th, F, 2	Tu, W, Th, 1, 3	M, W, Th, F, 1	Tu, W, Th, 1, 4	M, T, W, Th, 3	M, Tu, W, 1, 6	M, Tu, Th, F, 5	M, T, W, F, 4
English	Tu, W, Th, 1, 2	Tu, W, Th, F, 6	M, Tu, W, Th, 4	M, Tu, Th, F, 4	Tu, W, Th, 1, 6	M, T, W, Th, 7	M, W, Th, 1, 3		M, Tu, W, Th, 1
History	M, W, F, 6	M, W, 1, 1	M, W, F, 7	M, W, F, 3	Tu, Th, F, 1	Tu, Th, 6, 1, 7			Tu, Th, F, 2
Latin			M, Tu, W, F, 1	Tu, W, Th, F, 6	M, Tu, W, T, 3				M, T, Th, F, 7
Greek							M, T, W, Th, 1		
*German	Tu, W, Th, 1		M, Tu, Th, 1	Tu, W, F, 7	M, W, F, 3	T, W, F, 4	M, W, F, 4		
French			M, T, W, F, 1	M, T, W, Th, 7					
Woodworking	M, 1-4	Tu, 1-4							
Forge	W, 3, 4	Th, 3, 4							
Physiology									
Civics				Tu, Th, 3	M, W, 3				
Physics			Tu, Th, 2, 8, 2	W, F, 2, 8, 3, 4					
Agriculture		Tu, W, Th, 1, 1	1, W, Th, F, 2						
Pedagogy		Th, 1, 8			Th, F, 8				
Elocution, with any section									
Music, Art, Phys.									
Culture, any sec'n									
Drill, all sections	M, Tu, W, 8								

NOTE. In the columns for sections, the letters indicate the days, and figures the periods.

*Sections 1, 4, 5 and 6 are for the first course in German; the others for the second.

THE MEDICAL SCHOOL

Little Rock.

JOHN NEWTON TILLMAN, LL. D.,
President of the University.

EDWIN BENTLEY, M. D., U. S. A. (Retired),
Professor of Principles and Practice of Surgery.

JAMES H. LENOW, A. M., M. D.,
Professor of Genito-Urinary Diseases, and Dean.

E. R. DIBRELL, M. D.,
Professor of Medicine.

FRANK VINSONHALER, M. D.,
Professor of Ophthalmology and Otolary.

W. H. MILLER, M. D.,
Professor of Obstetrics.

F. L. FRENCH, M. D.,
Professor of Anatomy.

CARLE E. BENTLEY, M. D.,
*Professor of Principles and Practice of Surgery and
Clinical Surgery.*

JOHN R. DIBRELL, M. D.,
Professor of Clinical Microscopy and Bacteriology.

ANDERSON WATKINS, M. D.,
Professor of Principles and Practice of Surgery.

C. E. WITT, M. D.,
*Professor of Materia Medica and Therapeutics and
Secretary.*

MORGAN SMITH, M. D.,
Professor of Physiology.

A. R. STOVER, M. D.,
Professor of Chemistry.

M. D. OGDEN, M. D.,
Professor of Pathology and Histology.

- O. K. JUDD, M. D.,
Professor of Anatomy.
- A. E. HARRIS, M. D.,
Professor of Clinical Medicine and Physical Diagnosis.
- OSCAR GRAY, M. D.,
Professor of Clinical Gynecology.
- J. L. DIBRELL, M. D.,
Demonstrator of Anatomy.
- E. P. BLEDSOE, M. D.,
Professor of Nervous Diseases.
- WILLIAM C. DUNAWAY, M. D.,
Professor of Gynecology.

Lecturers, Instructors and Demonstrators.

- MORGAN SMITH, M. D.,
Instructor in Pediatrics.
- A. L. CARMICHAEL, M. D.,
Instructor in Clinical Medicine.
- J. G. WATKINS, M. D.,
Assistant in Ophthalmology and Otology.
- J. C. CUNNINGHAM, M. D.,
Assistant in Obstetrics.
- M. D. McCLAIN, M. D.,
Assistant in Genito-Urinary Diseases.
- MILTON VAUGHAN, M. D.,
Assistant in Materia Medica and Therapeutics.
- WM. GOODWIN, M. D.,
Assistant in Clinical Microscopy and Bacteriology.
- C. V. SCOTT, M. D.,
Assistant in Clinical Surgery.
- H. H. KIRBY, M. D.,
Instructor in Dermatology and Assistant Demonstrator of Anatomy.
- A. M. ZELL, M. D.,
Assistant in Pathology.

J. A. TELLER, A. B., LL. B.,
Lecturer on Medical Jurisprudence.

(To be supplied.)
Instructor in Chemical Laboratory.

R. L. MAXWELL, M. D.,
Prosector of Anatomy.

(To be supplied.)
Assistant Demonstrator of Anatomy.

I. H. JEWELL, M. D.,
Instructor in Physiology.

VINCENT FALISI, A. B., M. D.,
Instructor in Surgery.

Y. E. WHITMORE, D. D. S.,
Lecturer on Dental Surgery.

All communications should be addressed to

C. E. WITT, M. D.,

Secretary of the Faculty, Little Rock, Ark.

THIRTY-SECOND ANNUAL ANNOUNCEMENT

OF THE

UNIVERSITY OF ARKANSAS

MEDICAL DEPARTMENT

HISTORICAL.

The Medical Department of the Industrial University was organized in 1879 and the first course of lectures commenced on Tuesday, October 7, 1879, and continued until March, 1880, there being twenty two matriculants, one of whom received the degree of Doctor of Medicine. Each succeeding year the faculty has awarded diplomas to classes of increasing size until the alumni now number over four hundred and fifty. There have been about twenty seven hundred matriculations since the school began.

The Department's first building was located at 113 West Second street, but owing to its rapid growth, the present building, designed for the purpose, was erected on Second and Sherman streets in 1890. This building has again been outgrown and there is now in contemplation a magnificent new structure, the details of which are given elsewhere. The name was changed by legislative enactment to University of Arkansas, Medical Department, in 1899.

GENERAL STATEMENT.

The thirty first annual session of the University of Arkansas, Medical Department, will begin Saturday, October 1, 1900, and will continue for seven months, until April 29, 1910.

The matriculation book will be open from and after September 1, to students wishing to matriculate early and secure choice seats.

The trustees and faculty wish to express their appreciation of the continued support of the public and of the medical profession for the past thirty years. It has always been their ambition to keep abreast of the rapid progress which is being made in medical education, and the buildings, laboratories and various departments have been progressively extended to meet these growing demands.

The Department has thus received the cordial endorsement of the Arkansas Medical Society, which annually appoints a Board of Visitors.

CO-EDUCATION.

The Department is co educational, women being admitted on the same terms as men.

GRADED COURSE.

The required period of study for the Degree of Doctor of Medicine is four years. The two first years are devoted mainly to the fundamental branches of medicine, while in the last two, Medicine, Surgery, Obstetrics and the various specialties are studied in the hospitals, the Isaac Folsom Clinic and the Laboratories.

FIRST YEAR—Anatomy, Practical Anatomy, Physiology, Inorganic Chemistry, Histology, and Materia Medica.

SECOND YEAR—Anatomy, Practical Anatomy, Physiology, Organic Chemistry, Toxicology, Materia Medica, Pathology, Obstetrics and Bacteriology.

THIRD YEAR—Materia Medica and Therapeutics, Obstetrics, and Diseases of Children, Clinical Microscopy, Elements of Medicine and Surgery.

FOURTH YEAR—Practice of Medicine, Surgery, Dermatology, Venereal Diseases, Gynecology; Disease of the Eye, Ear, Nose and Throat; Diseases of the Nervous System, Medical Jurisprudence and Medical Ethics.

ADMISSION.

Applicants for admission are expected to give the faculty satisfactory evidence that they possess the necessary qualification for the study of medicine.

The following is Article IV of the Constitution of the Southern Medical College Association, of which the Department is a member:

"Every student, before being matriculated for the first course of medical lectures in any college belonging to this Association shall be required to possess the following qualifications:

"He shall hold a certificate from some known, reputable physician, showing his moral character and general fitness to enter upon the study of medicine.

"He must possess a diploma of graduation from some literary or scientific institution of learning, or a certificate that he has passed the entrance examination to a university, or a certificate from some legally constituted high school. The minimum preliminary education required by the Southern Medical College Association shall be, after January 1, 1906, a grammar school education and two years' successful attendance at a recognized preparatory school or high school, or its equivalent, said equivalent to be determined by a superintendent of public instruction. A student may be given one month from the date of his admission to submit his certification.

"And if he fails to possess the requisite educational qualifications in one or more branches, he may matriculate and attend his first course of lectures, but must present the required certification before matriculating in the second course, and all tickets of certification issued in such cases must have the condition printed plainly on the face of each.

"Advanced Standing.

"A set of tickets showing that the holder has attended one full course of medical lectures in any regular and recognized medical college shall be essential for matriculating for a second course of lectures in any college belonging to this Association, and every student, prior to matriculating for a third or fourth course of lectures, shall be required to show, by similar evidence, that he has previously taken two or three courses of lectures."

The following classes of students may apply for advanced standing and obtain it, provided every applicant undergoes a satisfactory examination upon every branch below the class desired to be entered.

(a) Graduates of dentistry and pharmacy and of veterinary medicine.

(b) Graduates and matriculates who have completed one or more courses in colleges of homeopathy and of eclectic medicine.

(c) Graduates of recognized colleges and universities who have completed therein prescribed courses in elementary branches of medicine, including chemistry and biology.

GRADUATION.

Each candidate for graduation must produce satisfactory evidence of good moral character and of having attained the age of twenty-one years.

No candidate shall be eligible for final examination for graduation unless he files the proper official evidence that he has matriculated at some regular college for four sessions, and in the course of same has attended four full courses of instruction on anatomy, including dissections, physiology, chemistry, materia medica, obstetrics, therapeutics, surgery, pathology, bacteriology and practice of medicine. The last of the four full courses must be attended at the UNIVERSITY OF ARKANSAS, MEDICAL DEPARTMENT. No four consecutive courses of instruction shall be held as satisfying these requirements, unless the time between the beginning of the first course and the end of the fourth is greater than forty-three months. He must have paid all the college fees.

He must present to the Secretary before the 1st of March the amount of his graduation fee. In case of failure to pass a satisfactory examination, the money will be refunded.

LOCATION.

The city of Little Rock is conveniently situated in the center of the State, and railroads enter from every direction, making it easily accessible.

It has a population of more than sixty-five thousand, and is classed as one of the healthiest cities west of the Mississippi River. All of the eleemosynary institutions of the State, county and city, are located here. These include the Schools for the Blind, the School for Deaf Mutes, the Insane Asylum, Penitentiary, Reform School, County and City Hospitals, etc., all of which contribute to the abundant clinical material at the disposal of the faculty.

DEPARTMENT BUILDING.

The present building is a brick structure three stories in height and admirably arranged for the convenience of both students and instructors. It has a large lecture hall, a fine amphitheater, museum, dissecting room, laboratories, etc. It is situated on Second and Sherman streets.

NEW BUILDING.

The City Council of Little Rock has made an appropriation for a new City Hospital, to be known as "The Logan H. Roots Memorial Hospital," which will be built in conjunction with a new, modern building of the Medical Department, and the new building for the Folsom Clinic. As all of these buildings will be practically under one roof the student will have unexcelled advantages in the clinics and laboratories. The cost of the new Hospital and Medical Department with the Isaac Folsom Clinic will be between \$80,000 and \$100,000, and the work will be pushed to completion as rapidly as possible.

HOSPITALS.

The Logan H. Roots Memorial Hospital, by the munificence of the late C. L. Logan H. Roots and the benevolence of his widow, the city of Little Rock has an elegant public hospital. **THE MEDICAL DEPARTMENT OF THE UNIVERSITY OF ARKANSAS** is fortunate in having this hospital situated on lots adjoining and directly connected with their own building, thus giving greatly increased clinical facilities.

The St. Vincent's Infirmary, designed solely for the treatment of acute diseases, has a capacity of nearly a hundred beds. This hospital is splendidly equipped and furnished with modern conveniences and improvements, is in the very best sanitary condition, and under the supervision and management of trained nurses, Sisters of Charity. This magnificent institution, conveniently situated, is the most and best equipped institution of its kind in the Southwest, and is up-to-date in every respect.

The Pulaski County Hospital, erected at a cost of some \$100,000, is a handsome brick structure, well arranged, complete in all its equipments, and has a capacity of two hundred beds.

The inmates of these different institutions embrace all classes and conditions of people—white, colored, male, female, adults and children—and with them are found almost every form of malady, except quarantinable diseases, which are otherwise provided for.

THE ISAAC FOLSOM CLINIC.

This clinic is thus designated in honor of the late Dr. Isaac Folsom, and in consideration of his liberal endowment with the sum of \$20,000. The daily instruction in this clinic is thoroughly practical, and is attended by a large number of outdoor patients from the city and surrounding country. It embraces a wide range of diseases and injuries. More than six thousand patients attended this clinic last year.

EXPENSE OF LIVING.

The expense of living in the city of Little Rock will, of course, vary according to the views and habits of the students. Good board, at the present time, including lodging, fuel and lights, may be had at a convenient distance from the college, at from \$4 to \$6 per week, and from \$13 to \$18 per month.

Students on their arrival are requested to visit the University building, corner of Second and Sherman streets, where a list of parties desiring to board medical students will be furnished by the janitor.

Persons desiring further information are requested to address the Secretary of the Faculty.

TERMS.

All fees payable in advance at the beginning of the term. Except graduation fee.

When a student enters the school and pays the required fees, it is taken for granted that he has given the matter due consideration, and that he is prepared to pursue the course of study prescribed. The faculty stands ready to perform its part of the work as laid down in the curriculum. For these reasons fees once paid by the student can not for any cause whatever be refunded nor transferred. A student, however, who has paid his tuition fee and for good reason is unable to complete his session, will be given credit for the amount, and upon his return to the school at some subsequent time, he will not be required to pay the same fee for the second time.

The fees of this institution are \$425 for the four-years' course.

Considering the exceptional advantages for practical instruction in hospital and laboratories, and the constant care and labor

bestowed upon the pupils, the charges are as low as are compatible with the superior advantages given; and the faculty therefore appeal to their professional brethren throughout the Southwest to continue their support to an institution which does not seek to increase the size of its classes by pecuniary rivalry and discreditable underbidding, but by offering a full equivalent for its charges.

Table of Fees for Every Year of the Four-Year Course.

	First Year.	Second Year.	Third Year.	Fourth Year.
Matriculation.....	\$ 5 00	\$ 5 00	\$ 5 00	\$ 5 00
Professors, Lectures, Etc.....	95 00	95 00	95 00	95 00
Graduation, Diploma, Etc.....				25 00
Total.....	\$100 00	\$100 00	\$100 00	\$125 00

There are no fees for special courses or quizzes in this college. No professor or assistant is allowed to receive a fee for instruction.

No extra charge will be made for dissolving material, demonstrator's or hospital tickets.

The Secretary will issue matriculation cards, which must be presented whenever required. Attendance upon lectures and other exercises will be denied to those who do not present such cards.

Students have the privilege of attending all lectures and classes whenever they do not conflict with their prescribed course.

UNIVERSITY OF ARKANSAS
LIBRARY

THE LAW SCHOOL

- JOHN NEWTON TILLMAN, LL. D.,
President of the University.
- J. H. CARMICHAEL, LL. B., DEAN,
Contracts, Constitutional Law, Conflict of Laws, Judgments.
- JOHN FLETCHER, LL. M.,
Real Property.
- GEORGE W. MURPHY, LL. B.,
Law of Evidence.
- TOM M. MEHAFFY, LL. B.,
Law of Torts.
- JACOB TRIEBER, LL. B.,
Federal Procedure.
- WALTER G. REDDICK, LL. B.,
Law of Insurance.
- WILLIAM M. LEWIS, LL. B.,
Criminal Law and Procedure.
- T. N. ROBERTSON, LL. B.,
*Agency, Corporations, Negotiable Instruments, Pleading
and Practice.*
- JOHN E. MARTINEAU, LL. B.,
Equity, Jurisprudence.
- JOHN T. CASTLE, D. C. L.,
Fraudulent Conveyances.
- MENIFEE HOUSE, LL. B.,
Law of Sales.
- R. E. WILEY, LL. B.,
Law of Bankruptcy.
- W. B. BROOKS, LL. B.,
Domestic Relations, Real Property—Junior.
- R. C. POWERS, LL. B.,
Law of Bailments and Torts.
- J. K. RIFFEL, LL. B.,
Law of Partnerships.
- GEORGE VAUGHAN, LL. B.,
Abstracting and Searching Titles.

LOCATION.

The Law Department of the University of Arkansas is located in the city of Little Rock. The location is an ideal one for the school. Being the capital city, the legislature meets here every two years, thus affording each student an opportunity during his course to witness one session of that body, to observe its proceedings, to study parliamentary rule and practice, and to meet **representative men from different parts of the State.**

The Supreme Court of the State sits in this city and is in session about nine months of each year. Students have full opportunity to attend its deliberations, to listen to arguments by the ablest lawyers of this and other States before this distinguished tribunal, and to hear the opinions of the court upon propositions of law and determination of causes submitted for their decision and final disposition.

Through an arrangement with the clerk of the Supreme Court, the school is enabled to secure each student access to the Supreme Court library, where almost any book on a legal subject may be found. The library is a very fine one, and the opportunity thus **afforded to students to use same is of incalculable benefit.**

The federal district and circuit courts, two State circuit courts, a chancery court, and county and probate courts, police and magistrates courts are all accessible to the student for observation and instruction, both in the law and in the practical procedure in the **courts for the enforcement of its principles.**

The city has an able bar, the members of which are kind and courteous to beginners in the work of the profession, and generously **extend to them aid and counsel.**

Little Rock has a semi-tropical climate, free from extremes of heat and cold and admirably suited to the needs of the student.

PURPOSE.

It is not the purpose of the Law Department of the University of Arkansas to persuade any young man to study law who does **not of his own free will choose to do so.** But all those who contemplate the study with the view of entering upon the practice of the law as a profession or for the protection and valuable assistance a knowledge of the law affords in the successful prosecution of almost every line of business enterprise, or even for the

mental culture, the broad and liberal conception, the lucid and logical reasoning, the just and accurate conclusion, which are so manifestly characteristic of the legally trained mind, the Department respectfully solicits their patronage. It is to be presumed that every true son of Arkansas who aspires to the practice of the law as a profession in this State has enough State pride to select his home institution to prepare himself for his chosen vocation. Especially should this presumption hold when the advantages afforded him by the Law Department of his own State University are equal, and to him, in many important particulars, superior, to those of similar institutions of other States. The instructors of this Department of our State University are all active practitioners of the law and have engaged in this educational work from a realization of the pressing needs of such an institution as a department of the educational system of the State to meet the demands of our young men, who are the State's best hope for her future lawyers and statesmen.

ADMISSION.

While we fully appreciate the advantages of a thorough collegiate training in the various academic branches as a preparation for the study of the law, we have not made such acquirement a prerequisite to admission to this Department. Applicants will be admitted to take up the studies of the junior course who are possessed of a fair English education, such as may be acquired in our public schools. Students may be admitted to the senior course upon producing sufficient proof of their having given the necessary time and study to the different subjects of the law, either in another law school or under the direction of a practicing lawyer, but no student will be granted the degree until he has passed a satisfactory examination on all the branches embraced in the full course for the two years.

COURSE OF INSTRUCTION.

The course of instruction covers a period of two years, consisting of four terms. We deem a shorter period insufficient for the proper preparation of the student of the law for his profession. In the language of a distinguished jurist, "He who is not a good lawyer when he comes to the bar will seldom be one

afterwards." Our method of instruction consists of daily recitations upon previously assigned lessons in the text-books, with special lectures to emphasize the conclusions of the author, and to enlarge the student's conception of the same. We deem the above system of instruction, with daily recitations largely predominating, superior to either the recitation or lecture system when pursued alone. In addition to the above, students are required to prepare and submit to the professors legal papers in the form of briefs upon the various topics of the text writers, thus combining the abstract theory of the law with the practical application of the same to the different sets of facts embraced in the various decisions of the courts consulted by the student while preparing his paper. The course of study for the two years will embrace the subjects named and assigned, as follows:

Junior Year.

FIRST TERM. Contracts, Agency, Criminal Law, Torts, Partnerships.

SECOND TERM. Corporations, Negotiable Instruments, Real Property, Bailments, Insurance, Sales.

Senior Year.

FIRST TERM. Real Property, Equity, Domestic Relations, Constitutional Law, Fraudulent Conveyances.

SECOND TERM. Real Property, Evidence, Pleading and Practice, Conflict of Laws, Federal Procedure, Judgments, Legal Ethics, Bankruptcy, Medical Jurisprudence.

The first term of each year's course begins on the third Monday in September, the second term begins on the third Monday in January and ends on the first Friday in June.

List of Text-books.

Anson on Contracts, Tiffany on Agency; Clark on Criminal Law, Hale on Torts, Shumaker on Partnerships; Clark on Corporations; Daniel and Douglass on Negotiable Instruments; Real Property—Junior, Blackstone, Van Zile on Bailments; Vance on Insurance, Tiffany on Sales, Liedeman on Real Property, Eaton on Equity; Tiffany on Persons and Domestic Relations, Cooley

on Constitutional Law; Wait on Fraudulent Conveyances; Greenleaf on Evidence; Bryant's Code Pleading; Minor on the Conflict of Laws; Curtis on Jurisdiction of United States Courts; Black on Judgments; Frank on Bankruptcy; Reese on Medical Jurisprudence.

Publishing Houses of Foregoing Text-books.

Anson on Contracts, Van Zile on Bailments, Greenleaf on Evidence—Callaghan & Co., Chicago; Tiffany on Agency, Clark on Criminal Law, Hale on Torts, Clark on Corporations, Vance on Insurance, Tiffany on Sales, Eaton on Equity, Tiffany on Persons and Domestic Relations, Black on Judgments—West Publishing Company, St. Paul, Minn.; Shumaker on Partnerships—Keefe Davidson Company, St. Paul, Minn.; Daniel and Douglass on Negotiable Instruments, Wait on Fraudulent Conveyances and Creditors' Bills—Baker, Voorhis & Co., New York City; Real Property (Blackstone) J. B. Lippincott Company, Philadelphia; Tiedeman on Real Property The F. H. Thomas Law Book Company, St. Louis; Cooley on Constitutional Law, Minor on the Conflict of Laws, Bryant's Code Pleading—Little, Brown & Co., Boston, Mass.

MOOT COURTS.

Moot Courts begin with the last term of the Junior Year and continue throughout the course, and are termed the judicial department of the school, and embrace all the courts—Justice, Probate, Circuit and Supreme—all modeled according to the constitutional requirements of our State.

The Supreme Court shall consist of three Judges, a Chief Justice and two associates.

The Circuit Court shall consist of one Judge, a Clerk, and a Sheriff, to be elected by the students.

County and Probate Courts shall consist of one Judge, a Sheriff, and a Clerk, to be elected by the students.

Justice of the Peace Court shall consist of a member of the Senior Class, who shall be elected by the student body.

These courts shall be under the immediate supervision of the Dean, who will be assisted by the members of the faculty in compiling statements of facts embracing principles of law pertaining to the respective branches under their instruction, for the use of said courts.

GOAR LYCEUM.

This society is composed of the students of both the Junior and Senior Years, and meets regularly every Wednesday night during the session. The exercises consist chiefly of theses and debates embracing subjects legal in their nature. The performance of these exercises is insisted upon by the faculty, for such practice enables the student to acquire the invaluable faculty of learning to "think whilst on his feet," besides giving him an easy manner of address in public speaking.

EXAMINATIONS.

Written examinations are held each term in the presence of a member of the faculty, upon questions handed the student at the time, and on the merit of their papers students will be graded.

DEGREES.

The degree of Bachelor of Laws will be conferred upon all students who have passed an examination on each of the subjects embraced in the course, and have attained the average standard grade of proficiency.

CLASS HONORS.

Honorable competition is the life of all enterprise, therefore, we confer the following evidences of distinction: Upon the student attaining the highest average grade shall be conferred the distinction of first honor man of his class, the one attaining the next highest, the second honor man; and the one making the next highest, the third honor man.

The faculty authorizes the selection of three orators to deliver orations at the commencement exercises, as follows: The Senior Class, one; the Junior Class, one, and the Goar Lyceum, one.

PROFESSIONAL ETHICS.

While endeavoring to impart a knowledge of the fundamental principles of the law, the subject of professional ethics will be given special attention and its demands constantly impressed upon the minds of the students as indispensable to the attainment of an honorable and successful career as a lawyer.

ADMISSION TO THE BAR.

By a recent act of the Legislature all graduates of the Law Department of the University of this State are admitted to the practice of law in the Supreme Court and all inferior courts of the State without the requirement of an examination.

THE LAW SCHOOL VS. THE LAWYER'S OFFICE.

The once prevalent idea that the proper preparation for the profession of the law is "to read law" in some distinguished lawyer's office is at this day and time completely exploded. No lawyer busily engaged in the active practice has the time or the inclination to devote much of his attention to the office student. The lack of system in outlining the course of study and the repeated failure to conduct the daily quiz and instruction lead the student into such confusion and discouragement, whereby his progress is greatly retarded.

The late Chief Justice Wait, in referring to this question, said: "The time has gone by when an eminent lawyer, in full practice, can take a class of students into his office and become their teacher. Once that was practicable, but now it is not. The consequence is that law schools are now a necessity."

The superior advantages offered by the law school over the lawyer's office to prepare students for the legal profession, were so ably and clearly presented in the report of the Standing Committee on Legal Education and Admission to the Bar of the American Bar Association, in 1879 and 1881, a committee consisting of Carlton Hunt, of Louisiana, Henry Stockbridge, of Maryland; U. M. Rose, of Arkansas, George Hoadley, of Ohio, and Edmund H. Bennett, of Massachusetts, that we quote the following as the conclusion of the above committee in their report, which was unanimously adopted by the association:

"There is little, if any, dispute now as to the relative merit of education by means of law schools, and that to be got by more practical training or apprenticeship as an attorney's clerk. Without disparagement of mere practical advantages, the verdict of the best-informed is in favor of the schools.

"The benefits which they offer are easily suggested, and are of the most superior kind. They afford to the student an acquaintance with general principles, difficult, if not impossible, to be otherwise attained, they serve to remove difficulties which are

inherent in scientific and technical phraseology, and they, as a necessary consequence, furnish the student with the means for clear conception and accurate and precise expression. They familiarize him with leading cases, and the application of them in discussion. They give him the valuable habit of attention, teach him familiar maxims, and offer him the priceless opportunities which result from constant and generous emulation. They lead him readily to survey law as a science, and imbue him with the principles of ethics as its true foundation. Disputing, reasoning, reading, and discoursing, become his constant exercise."

Again, in an able paper read before the New York State Bar Association by Franklin M. Dabner, a member of the State Board of Examiners, on the 20th of January, 1897, we find the following language:

"Observation shows that under modern conditions existing in the profession, an education in law can not be procured exclusively in a law office, and that those who have had the benefit of law-school training are better equipped to enter upon their career, and are more likely to succeed therein than those who come to the bar through an office. * * * Members of the bar of the future, to succeed, must have a scientific, well directed and comprehensive training in a law school. The fact that many of the lawyers of today did not have that advantage and still succeed is no reason why the future will not demand it. * * * The great problem of the higher education of the bar can be materially helped toward the solution, and the bar decidedly improved along lines of public and professional good, by requiring the successful completion of a course of study in an approved law school of all future applicants for admission."

TUITION AND EXPENSES.

Tuition, Junior Course, payable on entrance	\$50 00
Tuition, Senior Course, payable on entrance.....	60 00
Course leading to Degree of D. C. L.....	50 00
Board and Lodging, per month.....	\$15.00 to 20 00
Diploma	5 00

Text-books can be procured with students' discount.

No library or society fees are required of students.

All communications should be addressed to the Secretary.

T. N. ROBERTSON,
Little Rock, Ark.

THE BRANCH NORMAL COLLEGE

Pine Bluff.

ISAAC FISHER, PRINCIPAL,

Psychology, Ethics, English, and Literature.

ABRAHAM WILLIS JOHNSON,

Mathematics and Greek.

FREDERICK THOMAS VINEGAR,

Latin, Mathematics and Physics.

THOMAS CLAY OGBURN,

Chemistry, Geography, United States History.

CHRISTINE RAMBO,

Mathematics, Ancient History, and Music.

IRENE V. COLEMAN,

Mathematics, Geography, and English.

SADIE M. PEEBLES,

Free Hand Drawing, English and Physical Culture.

MAMIE BRAWLEY JUNE,

Dressmaking.

BIRTON NEIL WILSON, B. Sc. M. E.,

Superintendent of Mechanic Arts.

WILLIAM STEPHENS HARRIS,

Assistant Superintendent of Mechanic Arts.

JAMES LINCOLN ROSS,

Machine Shop and Forge.

GENERAL STATEMENT.

The Branch Normal College is a division of the University of Arkansas, established pursuant to an act of the general assembly of the State of Arkansas, approved April 25, 1873, and has been in operation since September 27, 1875. Its primary object is the training of teachers for efficient service in the colored public schools of the State. Tuition is made free to all appointees, the only requirements for admission being suitable age and qualification, appointment by one of the county judges, and the payment of the matriculation fee of five dollars. Other students pay in addition one dollar per month in advance.

EQUIPMENT.

The college property consists of a beautiful tract of twenty acres of ground, in the suburbs of Pine Bluff, Jefferson County. A handsome and comfortable school building, a dormitory for girls, and manual training shops, containing as complete an equipment as can be found in any similar shops in the South.

REQUIREMENTS FOR ADMISSION.

Candidates must be at least sixteen, if young men, and fourteen, if young women; and must pass satisfactory examinations in arithmetic, English grammar, geography and United States history.

APPOINTMENT OF BENEFICIARIES.

By the laws of the State, the appointment of students to the Branch Normal College in numbers from each county in the State is the same as to the parent University at Fayetteville. The power is vested in the county courts, but any vacancies occurring during the vacations of the court shall be filled by the Judge of the County Court.

All students thus appointed are entitled to four years' free tuition upon the payment of five dollars' matriculation fee in advance at the time of entering the institution.

These appointments are not transferable, and students holding them must be very careful that their conduct is not such as will lead to their forfeiture; and it may also be stated that the principal reserves the right to declare forfeited the appointments of those students who are not present at the opening of the autumn term.

Students planning to enter the college should go to their county judges for appointments, which, if received, must be brought to the college. Blanks for appointments may be secured by addressing Principal Isaac Fisher, Pine Bluff, Ark.

NORMAL DEPARTMENT.

The college offers a good course of training for those who plan to become teachers. More and more the aim will be to give scientific instruction in the matter of teaching the branches of

public schools. Arrangements have been made with the superintendent of the Pine Bluff public schools by which the student-teachers at this college may inspect the school system in actual operation. Candidates completing the work of this department will be granted the certificate of Licentiate of Instruction (L. I.). Applicants must pass a satisfactory examination in the ordinary English branches to be able to enter the school.

CLASSICAL DEPARTMENT.

Candidates completing this course will be granted the degree of Bachelor of Arts (B. A.), but no candidate failing to write and submit an original thesis on the teacher of English will be given this degree. The subject of thesis must be selected in December of the Senior year.

THE MECHANIC ARTS DEPARTMENT.

This department offers a splendid opportunity to young colored men to become skilled blacksmiths, machinists, engineers and firemen. The mechanic arts course and the manual training normal course are strong combinations of shop work and literary training. It is hoped that these courses will from time to time attract young men who desire to fit themselves for higher usefulness by preparing for the pursuit of those occupations for which there is a strong demand. In addition to these there is offered a course in woodworking, which comprises cabinet making, pattern making and carpentry.

DEPARTMENT OF DRESSMAKING.

Young women are here given an opportunity to learn plain sewing, crocheting and art needlework. There is a fine outfit of sewing machines and other requisites for doing the work planned by this department.

TYPEWRITING AND STENOGRAPHY.

These subjects are taught one hour each day. Shorthand classes will be formed whenever a sufficient number of students desire to pursue this study.

MILITARY DRILL.

The young men of the college have been organized into a battalion of cadets to promote habits of neatness, order, and punctuality, and to develop an ennobling self-control in every young man connected with the school.

Under the military system thus established, it is aimed to exercise that control of the cadets which is so essential to easy and proper discipline. All young men are subject to the drill regulations.

PHYSICAL EXERCISE.

An athletic association for the purpose of fostering clean athletics and at the same time giving healthful exercise, has been organized under the direction of a member of the faculty, who will see that no excesses are indulged in, and that sports do not interfere with the work of the other departments. Physical culture for young women is also a feature of the college work.

PUBLIC RHETORICALS.

Twice every month public rhetorical are held in the chapel and all students are subject to assignment on the programs.

RELIGIOUS LIFE.

Prayers are held in the chapel every morning except Saturdays and Sundays. All students are required to attend these devotions. On Sundays, the students who board in the town attend the various churches, while the girls living in the dormitory are taken to the churches of their several choices by members of the faculty.

HOLIDAYS.

The exercises of the college are suspended for one day at Thanksgiving, one on Washington's Birthday, and about ten days at Christmas.

LECTURE COURSE.

A course of lectures on live topics is given during the year. These are free, both to the students and to the public.

TRUSTEES' PRIZE.

This prize consists of twenty-five dollars, and is given to "that member of either of the two highest classes who shall during commencement week pronounce the best oration on any one of a number of subjects to be selected by the Principal."

GENERAL EXERCISES.

The general exercises include reviews of the Sunday school lessons and of events of the week, also music and drawing. There are regular lessons in vocal music which are given to all students. Students will frequently be required to give public evidence of their skill in using the library intelligently. All exercises must be attended faithfully.

EXPENSES.

For all students, matriculation fee, in advance.....	\$ 5 00
Board, fuel, and light, for girls in the dormitory.....	8 00
Board, fuel, and light, in private families.....	\$8 00 to 10 00
Non-beneficiary students, for tuition, per month.....	1 00

Books at usual retailers' price.

Entrance fees and board bills are payable in advance.

For further information concerning any department of the college, address the Principal,

ISAAC FISHER,
Pine Bluff, Ark.

REGISTER OF STUDENTS

THE COLLEGE.

Abbreviations. B. A., Bachelor of Arts; B. S. A., Bachelor of Scientific Agriculture; B. M. E., Bachelor of Mechanical Engineering; B. C. E., Bachelor of Civil Engineering; B. E. E., Bachelor of Electrical Engineering; B. M. E., Bachelor of Mining Engineering; B. Ch. E., Bachelor of Chemical Engineering; M. A., Master of Arts; M. S., Master of Science; C. E., Civil Engineer; E. E., Electrical Engineer; M. E., Mechanical Engineer; L. I., Licentiate of Instruction.

Graduates.

Name	Course	Home Address	City Address
Carnall, Bess Estelle	M. A.	Fort Smith	Carnall Hall
Coleman, Nelle	M. A.	Little Rock	Carnall Hall
Combs, Walter, B. C. E.,	C. E.		
Davis, Arthur Charles	E. E.	Fayetteville	420 Arkansas Aves.
Droke, M. Josephine	M. A.	Fayetteville	103 Hill St.
Ellis, Forest	M. A.	Fayetteville	104 College
Holtzclaw, Hanan H.	M. S.	Vineyard	Short's
Huntly, Phil Conrad	C. E.	Kingston	Sigma Chi House
Jernigan Wm. James	M. A.	Charlotte	226 N. College
Keeney, Marie	M. A.	Fayetteville	753 W. Dickson
Mullins, T. C., B. C. E.	C. E.		
Oates, Max Bruce	M. S.	Fayetteville	N. W. Campus
Russell, Festus	M. S.	Bellefonte	Hill Hall
Wootton, Leonard L.	M. A.	Roswell, N. M.	124 N. College Total, 14

Seniors.

Atkinson, Jas. Harris	B. A.	Bodcaw	Buchanan Hall
Bailey, Pat Wilson	B. A.	Warren	103 S. School
Barrett Arthur James	B. A.	Jonesboro	Main Bldg.
Barton, David Ralph	B. A.	Jonesboro	124 College
Beane, Ada Louis	B. A.	Rogers	Carnall Hall
Blacklock Ira Williams	L. I.	Haskell	103 S. West
Blair, James Hatley	B. C. E.	Decatur	Dormitory
Blair, Samuel Thomas	B. C. E.	Decatur	Dormitory
Bledsoe, John L.	B. A.	LaCrosse	Dormitory
Boles, Chalmers B.	B. M. E.	Fayetteville	206 N. East
Brannon, Lloyd Henry	B. A.	Tulsa	Dormitory
Campbell, Sylvester John	B. A.	Fayetteville	E. Dickson
Carter, Nama	B. A.	Durham	117 Lafayette
Cheever, Louise	B. A.	Richmond	Carnall Hall
Childress, Mary Virginia	B. A.	Fayetteville	700 Frisco
Cole, Kenneth E. N.	B. E. E.	McAlester, Okla.	Sigma Chi House
Cotham, Ruby	L. I.	Monticello	Carnall Hall
Coyle Norman	B. A.	Coal Hill	Gray Hall
Crawford, Henry Vance	B. E. E.	Little Rock	607 W. Dickson

Name	Course	Home Address	City Address
Curl May	L. I.	Monticello	Carnall Hall
Davis, Carl Gay	B. A.	Fayetteville	1004 W. Center
Davis, Olga	B. S.	El Paso	318 Lafayette
Davis, Opal	B. A.	El Paso	318 Lafayette
Davis, Raymond Lee	B. A.	El Paso	318 Lafayette
DeLongey, Howard Clifford	B. C. E.	Mena	339 Gregg
DeWitt, Frances	B. A.	Harrisonville, Mo.	Carnall Hall
Dickinson, Ben. Franklin	B. M. E.	Little Rock	324 N. College
Eason Herman Edward	B. E. E.	Fayetteville	43 S. Gregg
Freeman, John D., Jr.	B. A.	Allene	West St.
Freeman, Thos. Bennett	B. A.	Marianna	Sigma Chi House
Gardner, Powell B.	B. A.	Tuckerman	Buchanan Hall
George, Finis J.	B. A.	Alpha	Dormitory
George, Ira Lester	B. A.	Havana	Dormitory
Goodbar, Joseph Ernest	B. A.	Charleston	Buchanan Hall
Goodwin, Roy Chandler	B. A.	Eldorado	Gray Hall
Gough Ivor	B. M. E.	McCartain	Gray Hall
Graham Simeon Burr	B. E. E.	Mena	920 Douglas
Gregg, Alfred Welch	B. E. E.	Fayetteville	129 E. Dickson
Hall, Julien	B. A.	Fayetteville	212 East St.
Hardin, Aileen		Dallas	Dr. Carroll's
Huxtable, William Guirey	B. C. E.	Blytheville	Sigma Chi House
Jennings, Dennis Russell	B. M. E.	Hardy	308 W. Mountain
Joiner, Jennie	B. A.	Magnolia	Carnall Hall
Jones, Herbert Allen	B. A.	Plummerville	Buchanan Hall
Kantz, Willie Dean	B. A.	Fayetteville	N. of Town
Keek, Henry Mansfield	B. A.	Gravette	Buchanan Hall
Knox, Virginia D.	B. A.	Monticello	Carnall Hall
Kunz, Gladys	B. A.	Fayetteville	N. W. Campus
Lamberton, Annie Louisa	B. A.	Harrison	W. Dickson
Lueker, Traugott Frederick	B. A.	Dover	Dormitory
Mardis, Paul Lester	B. E. E.	Clarksville	763 W. Dickson
McCulloch, Edgar Hassall	B. A.	Little Rock	324 College
McGraw, Ophelia	B. A.	Altus	Carnall Hall
Miller, Henry Grady	B. A.	Lonoke	Kappa Sigma House
Moon, Van Tyson	B. C. E.	Louann	Buchanan Hall
Moreland, Claude M.	B. E. E.	Jonesboro	Gray Hall
Morehead, Lelia Marene	B. A.	Hot Springs	Carnall Hall
Morgan, Elma	B. A.	Stephens	Carnall Hall
Morgan, Wm. Graves	B. C. E.	Magnolia	Hill Hall
Mustain, Asa Boysdan	B. A.	Tonti Town	Hill Hall
Neimeyer, Frederick Wm.	B. A.	Little Rock	324 College
Patton, Aaron P.	B. A.	Archey	Dormitory
Phillips, Mack Rogers	B. A.	Gravette	300 W. Center
Pye, Walter Davis	B. C. E.	Sweet Home	Dormitory
Reed, John Alvis, Jr.	B. C. E.	Fayetteville	304 N. College
Ross, Samuel Irenams	B. M. E.	Cane Hill	Dormitory
Shannon, Mary Etoile	L. I., B. A.	Fayetteville	N. Town
Shinn, Erwin Henry	B. A.	Russellville	Dormitory
Southmayd, Laban Howell	B. A.	Van Buren	324 College
Stockburger, Arlin Earl	B. S.	Fayetteville	Cleveland Street

Name	Course	Home Address	City Address
Sutton, Beulah	B. A.	Fayetteville	121 W. Dickson
Thompson, Ross Emile	B. E. E.		219 Church Street
Tidball, Susan	L. I., B. A.	Fayetteville	747 W. Dickson
Tillman, Fred Allen	B. A.	Fayetteville	421 N. College
Wasson, Proctor Lane	B. C. E.	Smithville	Buchanan Hall
White, Felix Sloan	B. E. E.	Fayetteville	523 Willow
White, Pearle	B. A.	Fayetteville	523 Willow
Womack, Wm. Vance	B. A.	Centerton	A. U. Greenhouse
Wood, Corinna Susan	B. A.	Paris	Carnall Hall
Zeigler, Ella Mae	B. A.	Harrison	Carnall Hall
			Total, 79

Juniors.

Abbott, Thos. Oscar	B. A.	Newman	Buchanan Hall
Alcorn, Merritt O.	L. I., B. A.	Big Flat	Hill Hall
Allen, Ben Franklin	B. A.	Heber	Dormitory
Alphin, Julius Hendrick	B. A.	El Dorado	Dormitory
Ashley, John Carter	B. A.	Violet Hill	Buchanan Hall
Bagley, Henry Stuart	B. E. E.	Little Rock	201 E. Dickson
Baxendale, Johnnie	B. M. E.	Lehigh, Okla	Buchanan Hall
Beardsley, Joseph Milton	B. C. E.	Gentry	Kappa Sigma House
Brinkley, Ralph Johnson	B. E. E.	Rogers	Kappa Sigma House
Black, Lanie George	B. A.	Corning	Kappa Sigma House
Blakeley, Gervis T.	B. A.	Coal Hill	Gray Hall
Blakemore, Wm. Allen	B. C. E.	Prairie Grove	Dormitory
Bradford, Clarence Gray	L. I.	Pine Bluff	Dormitory
Brewer, Oglio Carl	B. A.	Murphreesboro	Dormitory
Brown, Clifford John	B. C. E.	Winchester	540 Whitham
Bryan, Frank	B. M. E.	Nelson, Okla.	17 Hill
Bryan, John A.	B. A.	Nelson, Okla.	17 Hill
Buckley, Virgil Brown	B. C. E.	Rogers	Gray Hall
Burnside, Aurelle	B. A.	Sandy Bend	Carnall Hall
Burrow, Frances Elizabeth	B. A.	Morrilton	421 N. College
Carden, Wm. Morton	B. A.	Malvern	Dormitory
Carnes, Mary Guyon	B. A.	Enid, Okla.	227 N. Locust
Carruth, Robert Hill	B. A.	Warren	Gray Hall
Carter, Bess	B. A.	Fayetteville	513 Washington
Chandler, Perry Earl	B. E. E.	Siloam Springs	Dormitory
Cole, Leon R.	B. E. E.	Sand Lake, Mich.	Dormitory
Couch, Nelle Steele	B. A.	Magnolia	Carnall Hall
Creekmore, Stephen W.	B. A.	Van Buren	517 College
Dorough, Wm. Thomas	B. A.	Sweet Home	
Douglas, Allen Manning	B. S. C.		339 Gregg
Douglas, Charles Howard	B. E. E.	Fort Smith	214 W. Dickson
Droke, Albert Hill	B. C. E.	Fayetteville	103 Hill
Eoff, Dennie Jacqueline	B. A.	Bellefonte	Carnall Hall
Etheridge, Young William	B. A.	Hamburg	Infirmary
Evans, Daniel Jackson	B. C. E.	Ola	Buchanan Hall
Feldt, Louise	B. A.	St. Louis, Mo.	128 Davidson Ave.
Flinn, Heber Howard	B. A.	Little Rock	339 Gregg

Name	Course	Home Address	City Address
Fogleman, John Franklin	B. C. E.	Memphis, Tenn.	Sigma Chi House
Garvin, Lulu Vance	B. A.	Harrison	Carnall Hall
Goodwin, William Lynne	B. A.	El Dorado	Gray Hall
Guynes, William Maurice	B. E. E.	Siloam Springs	Dormitory
Hall, Milton Guy	B. A.	Monticello	N. W. Campus
Hall, Millard Zachary	B. A.	Mulberry	Main Buliding
Harrell, Nick M.	B. C. E.	Lewisville	Mellroy House
Hatchett, Marvin Pearce	B. A.	Clinton	Hill Hall
Highfill, Robert Davis	B. A.	Argenta	Buchanan Hall
Hon, Lucy	L. L., B. A.	Fort Smith	Carnall Hall
Hughes, Jack T.	B. A.	Waldron	807 W. Center
Hughey, Albert Bryson	B. C. E.	LaGrange	W. Dickson
Humphreys, Hugh Harrison	B. C. E.	Fayetteville	9 E. Lafayette
Jordan, Floss T.	B. A.	Fayetteville	17 Hill
King, Walter Cook	B. C. E.	Van Buren	611 Leverett
Lea, Roland Aldolphi	B. E. E.	Fayetteville	225 East St.
Lynch, Ralph V.	B. A.	Helena	339 Gregg
Marks, James Alfred	B. S. A.	Springdale	
Martin, Otto V.	B. S. C.	Pine Bluff	Dormitory
McCarty, Ralph L.	B. E. E.	Fayetteville	230 W. Center
McCartney, Mary Isabelle	B. A.	Fayetteville	340 College
Metcalf, Clyde Hill	B. A.	Horatio	Buchanan Hall
Milford, Clinton George	B. S. A.	Ben Lomond	Dormitory
Morris, Ben Burns	B. A.	England	435 Washington
Nelson, John Prewitt	B. A.	Muskogee, Okla.	Gray Hall
Nichols, Lucy J.	B. A.	Muskogee, Okla.	Carnall Hall
Philpot, Eugene Mason	B. C. E.	Pine Bluff	339 Gregg
Plemmons, LeRoy	B. C. E.	Oden	803 W. Dickson
Porter, Henry Otis	B. S. A.	Fayetteville	N. W. University
Powell, Joe Davis	B. A.	Nowata, Okla.	339 Gregg
Prall, Beatrice	L. I.	Hope	Carnall Hall
Renick, Roy	B. M. E.	Stilwell, Okla.	R. F. D. No. 4
Rhea, Powell McClellan	B. M. E.	Fayetteville	Mellroy House
Richards, Wanda Thomas	B. A.	Fayetteville	214 Dickson
Rorex, Samuel L.	B. A.	Fowler	214 W. Dickson
Rorie, George Chilles	B. A.	Retreat	Hill Hall
Rye, Wm. Gordon	B. L. L.	Russellville	Gray Hall
Sankee, Patti	B. A.	Fayetteville	369 N. Gregg
Sedwick, Ben Franklin	B. C. E.	Fayetteville	St. Charles
Sheffield, Howard Clinton	B. A.	Oakland, Tenn.	Buchanan Hall
Shipley, Robert Earl	B. C. E.	Booneville	Gray Hall
Smith, Myron F.	B. E. E.	DeQueen	Gray Hall
Smith, Raymond Guy	B. E. E.	Charleston	Buchanan Hall
Smith, Roy Dallas	B. A.	Fayetteville	N. College
Thomas, Andrew Jackson	B. A.	Fayetteville	603 Leverett
Thomas, Maude	B. A.	Fayetteville	603 Leverett
Thompkins, Charles Herbert	B. A.	Prescott	Mellroy House
Thompson, Ethel May	B. A.	Gentry	711 W. Dickson
Tovey, Edwin Claire	B. C. E.	Galesburg, Ill.	Maple Street
Vaughan, Rosebud Mabel	B. A.	Lockesburg	Carnall Hall
Vogle, Victoria Margaret	B. A.	Muskogee, Okla.	Carnall Hall

Name	Course	Home Address	City Address
Warner, Cecil Randolph	B. A.	Fort Smith	219 Block St.
Wasson, Joseph Houston	B. A.	Smithville	Dormitory
Webb, Ella Louise		Fayetteville	620 Ida Ave.
Wheeler, Samuel Burke	B. A.	Fayetteville	
Wilkerson, Samuel C.	B. E. E.	Morrilton	Mt. Nord
Williams, Walter Quincy	B. M. E.	Brentwood	820 Douglas
Willson, Thomas R.	B. C. E.	Ola	124 College
Wilson, Ty Cobb	B. A.	Washington	339 Gregg
Wilson, William Albert	B. A.	Warren	Dormitory
Yocum, Henry Scott	B. A.	El Dorado	Gray Hall
			Total, 90

Sophomores.

Adams, Ralph Eugene	B. S. C.	Hot Springs	Dormitory
Ambrose, Wiley H.	B. E. E.	McAlester, Okla.	McIlroy House
Armitage, Joseph Gordon	B. A.	Harrison	Dormitory
Austin, Roy Moore	B. A.	Charleston	Dormitory
Baker, Rufus Kate	B. A.	Pocahontas	Dormitory
Barton, Herbert Wells	B. M. E.	Searcy	Dormitory
Bayley, Paul Levern	B. A.	Fort Smith	820 Douglas
Beal, Robert Knott	B. A.	Little Rock	324 College
Blackford, Mary	B. A.	Fayetteville	424 Willow
Blackshare, Jennie Lacy	L. I.	Fayetteville	712 W. Maple
Blackshare, Lena Ellis	L. I.	Fayetteville	712 W. Maple
Blakeley, Lessie Ray	B. A.	Hartman	Gray Hall
Bloom, Sol Nathan	B. A.	Pine Bluff	324 College
Bradley, Lawrence DuVal	B. E. E.	Fort Smith	Dormitory
Bragg, Peter Newport	B. A.	Chidester	Buchanan Hall
Brewer, Mack Hamilton	B. C. E.	Murphreesboro	Dr. Thomas
Brodie, Philip Henry	B. A.	Van Buren	517 College
Carter, Ollie	B. C. E.	Murphreesboro	Dr. Thomas
Caudle, Reuben D.	B. A.	Scottsville	Gray Hall
Cochran, Pearl	L. I.	Paris	Carnall Hall
Coffey, Ruby	L. I.	Fayetteville	629 W. Dickson
Collins, Jas. Homer	B. Com. E.	Fort Smith	Gray Hall
Conatser, Raymond Charles	B. E. E.	Ozark	Gray Hall
Cook, James D., Jr.	A. B.	Texarkana	Mt. Nord
Corbell, Oscar Martin	L. I. A. B.	Charleston	Buchanan Hall
Coward, Lillie Bell	A. B.	Warren	Carnall Hall
Croxdale, Ressie Webster	L. I.	Fayetteville	703 W. Dickson
Cypert Alfred Boyd	B. A.	Little Rock	Gray Hall
Davis, Willie Cleveland	B. A.	Greenwood	Buchanan Hall
Deane, Madeline Anderson	L. I.	Fayetteville	R. F. D. No. 2
Dickinson, John Allen	B. M. E.	Little Rock	324 College
Dodson, Harrell Chandler	B. C. E.	Harrison	
Dortch, George L.	B. E. E.	Kerrs	324 College
Dyer, Rebecca	L. I.	Fayetteville	
Eagle, John D.	B. A.	Bellefonte	Gray Hall
Eakin, Mary Erwin	L. I.	Hope	Carnall Hall
Ellis, Robert Sidney	L. I.	Germantown	Buchanan Hall
Eoff, Wm. Carl	L. I.	Bellefonte	

Name	Course	Home Address	City Address
Files, Frank Williamson, Jr.	A. B.	Oak Ridge, La.	Gray Hall
Fogg, Joe Peeney	L. I.	Forrest City	Gray Hall
Garrison, Peter Earl	B. A.	Warren	Gray Hall
Gates, David Allen, Jr.	B. A.	Little Rock	339 Gregg
Gaughan, John Emmett	B. M. E.	Camden	
Gillespie, Vivian	L. I.	Oseeola	Carnall Hall
Goodrum, John Claiburne	B. A.	England	
Graham, Cynthia Lea	B. A.	Lowell	
Green, Thomas Andrew	L. I.	Mineral Springs	Dormitory
Greig, Anne E.	L. I.	Van Buren	Carnall Hall
Hall, Sarah	L. I.	Holly Grove	Carnall Hall
Harlan, Earl T.	B. C. E.	Searcy	Dormitory
Harrell, Virgil Cherry	B. A.	Tillar	229 College
Harris, Eutha	B. A.	Fayetteville	305 Washington
Harrison, Jere F.	B. E. L.	Muskogee, Okla.	Dormitory
Hays, Earnest T.	B. A.	Amity	Hill Hall
Hennessey, Wm. Thomas	B. C. E.	Fort Smith	Dormitory
Hilt, Emma Frances	L. I.	Fayetteville	313 Lafayette
Hirst, Claude Marvin	A. B.	Morris	Buchanan Hall
Hogue, Effa Lydia	A. B.	Fayetteville	School St.
Holloway, Claudius V.	A. B.	Lonoke	Dormitory
Holt, Joe Berry	A. B.	Harrison	Kappa Alpha House
Hulse, Leonard Ross	B. E. E.	Charleston	Dormitory
Husain, Mahammad	B. C. E.	Punjab, Banga, India	S. School
Hutchins, Robert Morris	A. B.	Augusta	Dormitory
Hyatt, Charles Lawrence	A. B.	Marmaduke	Buchanan Hall
Johnson, Charles Adkins	A. B.	Paris	Buchanan Hall
Johnson, Ector Ralph	A. B.	Augusta	224 Church
Johnston, Webster Decatur	A. B.	Marianna	124 College
Joiner, Joseph William	A. B.	Magnolia	Gray Hall
Jones, Curtis	B. C. E.	Little Rock	McIlroy House
Jones, Leah Thompson	A. B.	Newport	Carnall Hall
Kagy, Reuben Hays	A. B.	Van Buren	300 W. Center
Kantz, Nelle Welch	L. I.	Fayetteville	N. E. Town
Kilgore, Pearl	L. I.	Fayetteville	
Kilpatrick, Lucy Lacy	L. I.	Malvern	Carnall Hall
King, Arthur	B. C. E.	Van Buren	611 Leverett
King, Damon Lee	B. E. E.	Dallas	Dormitory
King, Harry	A. B.	Van Buren	611 Leverett
Knighton, Nina	L. I.	Hope	Carnall Hall
Knott, Nola		Bentonville	15 E. Spring
Knox, Robert Carr	A. B.	Monticello	Gray Hall
Lamberton, Horace C.	B. E. E.	Little Rock	Dormitory
Langford, Gladys Edith	L. I.	El Dorado	Carnall Hall
Laughinhouse, Fenner, Jr.	B. E. E.	Forrest City	325 Highland
Laughinhouse, N. R.	B. E. E.	Forrest City	325 Highland
Lee, Shelley H.	B. C. E.	Grant, Okla.	Buchanan Hall
Lenker, Leslie Emricke	B. E. E.	Leslie	616 Ida
Liddell, Robert Finis	A. B.	Rector	Mt. Nord
Lincoln, Sanford Elisha	A. B.	Van Buren	Buchanan Hall
Lipe, Ada Lois	L. I.	Hobart	Carnall Hall

REGISTER OF STUDENTS

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Name	Course	Home Address	City Address
Lunsford, Jesse Bascombe	B. E. E.	Hickman, Ky.	Gray Hall
Mann, James Hervev, Jr.	A. B.	Pine Bluff	330 Gregg
Martin, Aubert	A. B.	Warren	103 S. School
McCain, Dolph	L. I.	Monticello	Carnall Hall
McCartney, Ruth	A. B.	Fayetteville	340 College
McClain, Arthur	B. S. C.	Mena	Gray Hall
McClanahan, Lulu	L. I.	Hope	Carnall Hall
McCoy, Beas Cecelia	L. I.	Fayetteville	
McCoy, Jessie Marie	L. I.	Fayetteville	
McGill, Erwin	L. I.	Camden	Gray Hall
McGill, Samuel Davis	B. M. E.	Chidester	Buchanan Hall
McKinney, Otho Fenton	B. E. E.	Augusta	Gray Hall
McLeod, Lawrence S.	A. B.	Smithville	Buchanan Hall
McNamara, Irene Patti	A. B.	Fort Smith	Dan Allens'
Miles, Walter Carrigan	A. B.	El Dorado	Dormitory
Mitchell, Geo. Washington	B. C. E.	Greenway	Buchanan Hall
Moody, Wm. Franklin	B. E. E.	Rison	Gray Hall
Moore, James G.	L. I.	Sulphur Rock	Gray Hall
Moore, Samuel William	B. C. E.	Cabot	Buchanan Hall
Morrison, Arthur Boone	B. M. E.	Poteau, Okla.	125 E. Dickson
Morton, Jennie	A. B.	Fort Smith	Carnall Hall
Norbury, Victoria	A. B.	Fayetteville	117 College
Old, Martha Louise	L. I.	Nashville	Carnall Hall
Orton, Myrtle L.	A. B.	Siloam Springs	424 Willow
Oswald, Fred	B. M. E.	Nowata, Okla.	339 Gregg
Outlaw, Maude	L. I.	Rector	Carnall Hall
Overholt, James Erwin	A. B.	Springdale	
Parker, Robert H.	B. C. E.	Vesta	Dormitory
Paul, Claude Willis	B. E. E.	Fort Smith	140 W. Maple
Penix, Wm. Roy	A. B.		Dormitory
Pettigrew, Lucile Aldridge	A. B.	Charleston	Carnall Hall
Prothro, Ernest W.	A. B.	Frank	Gray Hall
Pulliam, Lucy	L. I.	Fayetteville	628 W. Maple
Pulliam, Henry Nelson	A. B.	Fayetteville	628 W. Maple
Purcell, Walter Ray	B. E. E.	Warren	Dormitory
Pye, Ruth E.	A. B.	Sweet Home	Carnall Hall
Redding, Laura Abbott	L. I.	Russellville	Carnall Hall
Reed, Ollie Margaret	L. I.	Springdale	227 School
Renick, Ethel Louise	L. I.	Fayetteville	
Robinson, Agnes	A. B.	Clarksville	Carnall Hall
Rogers, Lee Hugh	B. E. E.	Prairie Grove	Buchanan Hall
Rye, Vim X.	B. C. E.	London	Dormitory
Salthouse, Emma Louise	L. I.	McPherson, Kan.	Carnall Hall
Sanderlin, David B.	A. B.	Bradley	Gray Hall
Savage, Dwight Leland	A. B.	Carlisle	Buchanan Hall
Shane, John Cecil	A. B.	Paragould	Buchanan Hall
Sly, Altho Glenn	A. B.	Lincoln, Neb.	Gray Hall
Smith, Lucile Isabelle	A. B.	Fayetteville	114 S. College
Snelling, Hallie Ewell	A. B.	Ozark	Carnall Hall
Southworth, Geo. Quinland	A. B.	Fayetteville	Highland
Southworth, Jas. Richmond	B. S. A.	Fayetteville	Highland

Name	Course	Home Address	City Address
Spencer, Earl	A. B.	Monticello	124 College
Spencer, Terrill	A. B.	Monticello	124 College
Spikes, Wm. F.	A. B.	Fayetteville	531 College
Stallings, Robert	B. C. E.	Morrilton	5 W. Center
Stout, Samuel Rodman	A. B.	Rogers	Gray Hall
Stover, Don Alansan	B. E. E.	Rogers	Buchanan Hall
Taff, Nallie Olin	L. I.		Buchanan Hall
Taylor, John Edwin	B. E. E.	Blevins	Hill Hall
Todhunter, Lulu Lee	L. I.	Little Rock	Carnall Hall
Townsend, Junius Myron	B. M. E.	Hot Springs	124 College
Tyson, John Ardis	L. I.	Atkins	Dormitory
Umholtz, Amos Jay	B. S. A.	Tum	17 Hill
Vickers, Roy H.	B. S. C.	Fayetteville	336 Ralston
Wade, Alyce Isabelle	A. B.	Rogers	Carnall Hall
Ward, Sibley	B. M. E.	Little Rock	324 College
Watkins, Maude Etta	L. I.	Harrison	Carnall Hall
Watson, Chas. Clement	A. B.	Bentonville	
Whitehouse, Wesley Clay	A. B.	Woody, Ky.	Rose Hill
Whitty, Anna Stella	L. I.	Fayetteville	621 Leverett
Wilder, Solon Franklin	A. B.	Fort Smith	124 College
Wiley, Geo. W., Jr.	A. B.	Helena	McIlroy House
Williams, Maurice	A. B.	Amity	Hill Hall
Wilson, Jas. H.	A. B.	Bradford	
Wolf, Bess Pauline	L. I.	Fayetteville	Mt. Nord
Wood, Olive Chism	A. B.	Paris	Carnall Hall
Wortz, Carl Henry	A. B.	Fort Smith	628 W. Maple
Wright, Edna Araminta	L. I.	Fayetteville	21 Spring
			Total, 167.

Freshmen.

Abeles, Julian Theodore	A. B.	Little Rock	
Achenbach, Charles Henry	A. B.	Caldwell, Mo.	
Adams, William Hardin	A. B.	Stuttgart	
Agee, Polk Watkins	B. C. E.	Helena	Peel's
Alewine, Oscar Monroe	A. B.	Atkins	Dormitory
Allen, Clay	B. C. E.	Benton	Dormitory
Atkinson, Elza Ray	L. I.	Bodeaw	Carnall Hall
Atkinson, William Henry	A. B.	Bodeaw	Dormitory
Barry, William Taylor	B. C. E.	Fayetteville	114 College
Bilyeu, Robert Alexander	B. A.	Lead Hill	Dormitory
Black, Jewell Harp	B. A.	Yellville	600 Whitham
Blacklock, Clarence	B. A.	Haskell	103 S. West
Blackshare, Lockie Dean	L. I.	Fayetteville	W. Maple
Bledsoe, Alva Leona	A. B.	LaCrosse	Lafayette Ave.
Boals, Elmer Harris	A. B.	Clarendon	345 Highland
Bradford, William Hastings	B. E. E.	Lonoke	17 Hill
Bradford, Wylie Earnest	A. B.		Dormitory
Bransford, W. H.	A. B.		
Brennon, Mildred Frances	L. I.	Fayetteville	120 N. Block
Brereton, Mabel Blanche	A. B.	Fayetteville	403 N. College
Bryant, William Porter	B. M. E.	El Dorado	Dormitory

Name	Course	Home Address	City Address
Buckley, Samuel Spence	B. C. E.	Rogers	Dormitory
Butler, Vohl	B. M. E.	Culver, Ind.	R. F. D. No. 1
Burrow, Emma Jean	A. B.	Morrilton	421 N. College
Carnes, Grover	A. B.	DeWitt	600 Whitham
Campbell, George M.	B. E. E.	Hope	214 W. Dickson
Cantrell, Walter Truman	B. E. E.	Bellefonte	Dormitory
Carothers, Stuart Wallace	B. M. E.	Austin, Tex.	W. Dickson
Casey, W. B.	B. A.	Baxley	120 Duncan
Catts, Mary Emily	L. I.	Washington	Carnall Hall
Cheever, Edwin Head	A. B.	Richmond	Dormitory
Cherry, James Lewis	B. S. A.	Paris	Dormitory
Collins, Albert J.	B. E. E.	Foreman	Gray Hall
Cooper, Joe Whittaker	A. B.	Malvern	Dormitory
Cottrell, Theo. Nathan	A. B.	Stilwell, Okla.	629 W. Dickson
Council, Benjamin Pearson	A. B.	Charleston	Dormitory
Cunningham, Olin Homer	A. B.	Benton	Dormitory
Curl, James Leon	A. B.	Monticello	Dormitory
Davis, Charles Malcom	A. B.	Jonesboro	345 Highland
Davis, Robert Lee	A. B.	Larkin	
Davis, Vest	A. B.	Fayetteville	226 N. Block
Davison, Denver Norton	A. B.	Bokoshe, Okla.	224 Church
Decker, Kiviakivia Leona	A. B.	Fayetteville	R. F. D. No. 2
Darden, Jesse Homer	A. B.	Austin	
DeRoulhac, Joseph Blount	A. B.	Fayetteville	763 W. Dickson
Dickson, Dwight Bennett	A. B.	Bentonville	
Dillard, Minnie Alice	L. I.	Amity	212 W. Lafayette
Dinwiddie, James Armstrong	B. E. E.	Fayetteville	728 W. Maple
Doherty, James Edward	A. B.	Newport	367 Gregg
Dorr, Claude Goldman	A. B.	Batesville	420 College
Dodson, Katie Ella	L. I.	Fayetteville	
Dowell, Aloysius Swan	B. E. E.	Walnut Ridge	Mt. Nord
Drover, Walter Herman	B. C. E.	McAlester, Okla.	15 N. Duncan
Duncan, William Wirt	B. C. E.	Westville, Okla.	Dormitory
Dyer, Cyrus L.	A. B.	Fayetteville	
Ellis, Earl	B. M. E.	Fayetteville	104 N. College
Estes, Guy Dan	L. I.	Alpena Pass	Dormitory
Evans, William Virgil	A. B.	Benton	Dormitory
Faulkner, Thomas Howard	A. B.	Helena	
Freeman, William Otis	A. B.	Paris	Dormitory
Freeman, Joseph Wooten	A. B.	Marianna	Mellroy House
Gerig, Frank	B. C. E.	Arkadelphia	Dormitory
Gardner, Andrew Goolsby	A. B.	Fort Smith	358 Arkansas Ave.
Gladson, Hazel Wade	A. B.	Fayetteville	820 W. Maple
George, Grover C.	A. B.	Fayetteville	
Gordon, Edward	A. B.	Morrilton	Gray Hall
Goss, Alpha Lloyd	B. E. E.	Fayetteville	217 W. Meadow
Govan, Charles Ford	B. E. E.	Marianna	324 N. College
Graham, Elbert Sylvester	L. I.	Springdale	620 Leverett
Greathouse, Braxton Frank	B. M. E.	Johnson	403 Spring
Green, Edward Grandison	B. C. E.	Helena	School St.
Gregg, Mildred	B. A.	Fayetteville	129 E. Dickson

Name	Course	Home Address	City Address
Greig, Star	B. S. A.	Van Buren	Dormitory
Hamburg, Edwin Spottswood	B. C. E.	Lonoke	17 Hill
Hamilton, Andrew Claude	A. B.	Fayetteville	2 E. Dickson
Hamilton, Etta Lollie	L. I.	Buckner	Carnall Hall
Harkness, Jessie	L. I.	Fulton	Carnall Hall
Harrington, Marie Beatrice	L. I.	Fort Smith	Carnall Hall
Harris, Fannie May	L. I.	Fayetteville	R. F. D. No. 2
Harris, Martha	A. B.	Fayetteville	305 Washington
Harris, James L.	L. I.	Fayetteville	R. F. D. No. 2
Hays, Elizabeth L.	L. I.	Van Buren	Carnall Hall
Herring, William Clarence	A. B.	Amity	Gray Hall
Hilton, Lilborn L.	L. I.	Fayetteville	York St.
Highfill, Le Roy	B. S. A.	Johnson	Dormitory
Hodgins, Wm. Brooks	B. M. E.	Little Rock	224 Church
Hogan, David L.	B. C. E.	Hughes Springs, Tex.	18 E. Dickson
Holtzclaw, Henry Fuller	A. B.	Vineyard	
Horton, Ralph	A. B.	Guy	Dormitory
Hudson, Inez	A. B.	Fayetteville	202 Block
Hudson, Jas. Harvey	L. I.	Bellefonte	Gray Hall
Hudson, Raymond S.	L. I.	Moreland	Buchanan Hall
Hulen, Edgar Egbert	L. I.		503 W. Dickson
Hunter, Lowell Wilsey	B. M. E.	Little Rock	Buchanan Hall
Hurst, Jefferson Davis	A. B.	Fayetteville	210 Watson
Izard, Letha C.	A. B.	Fayetteville	Washington Hotel
Jackson, Thomas Alonzo, Jr.	A. B.	Hamburg	229 College
Jacobsen, Harry Breckenridge	B. E. F.	Little Rock	18 E. Dickson
Johnson, Floy	A. B.	Wheatley	Carnall Hall
Johnson, Myrtle Edith	L. I.	Paris	Carnall Hall
Jones, Gus Wm.	A. B.	Little Rock	315 Rollston
Jones, Otis	B. S. C.	Leola	Gray Hall
Kidd, Clarence S.	B. M. E.	Van Buren	Dr. Davies
Kirby, Alexander Crump	A. B.	Harrison	18 E. Dickson
Kittrell, Edwin Newton	B. F. I.	Hamburg	
Knott, James Ebalman	A. B.	Bentonville	
Lange, Harry Arnold	B. M. I.	Little Rock	339 Gregg
Langston, Zora Lee	L. I.	Vineyard	Carnall Hall
Lawson, Lillian	A. B.	Fayetteville	Carnall Hall
Lilly, Clara Pauline	L. I.	Fayetteville	308 Washington
Lindsey, Herbert M.	A. B.	Stuttgart	Dormitory
Loomis Lelia Ethel	L. I.	Kansas City, Mo.	340 Arkansas Ave
Loomis, Verna Bell	L. I.	Kansas City, Mo.	340 Arkansas Ave
Marsh, James Edward	L. I.	Prescott	Gray Hall
May, Rufus Marion	A. B.	Bocaw	
McCain, John Erwin	L. I.	Gumlog	Gray Hall
McCarty, Robert Oscar	A. B.	Bruno	Gray Hall
McCauley, Gordon Bain	A. B.	Fayetteville	Gregg St.
McClelland, Clarence	A. B.		Dormitory
McCloud, John Thomas	B. E. F.	Winslow	
McCulloch, Ben	A. B.	Little Rock	324 College
McDaniel, Louis	B. S. A.	McDaniel	324 College

REGISTER OF STUDENTS

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Name	Course	Home Address	City Address
McHenry, Harvey Watson	A. B.	El Dorado	Gray Hall
McIlroy, Wm. Hayden	A. B.	Fayetteville	
Meyer, Norcliffe	B. E. E.	Malvern	Dormitory
Meriwether, Lilbourn H.	A. B.	Paragould	Gray Hall
Miller, James Vivian	A. B.	England	435 Washington
Millwee, Miles Robert	B. L. E.	Horatio	Dormitory
Miner, Charles Lufkin	A. B.	Fayetteville	227 N. Locust
Mosley, Brawner	L. I.	Rison	Gray Hall
Moore, Charles James	B. M. E.	Fayetteville	Mountain St.
Murphy, Jeffie Roberts	L. I.	Wichita, Kans.	Carnall Hall
Nall, Hazel Teresa	A. B.	Mena	Washington
Nichols, Bard	A. B.	Forrest City	224 Church
Nichols, Robin Kirven	A. B.	Parkdale	W. Dickson
Nickell, Harvey Alex.	A. B.	Ozark	Gray Hall
Northum, Ted. M.	B. E. E.	Charleston	Dormitory
Nyhagen, Reuben Alfred	B. A.	Manitowor, Mich	College
Oneal, Fred L.	B. E. E.	Rogers	Gray Hall
Oneal, Harvey	B. C. E.	Rogers	Gray Hall
Overton, Wm. Robert	B. C. E.	Greenway	Buchanan Hall
Parker, Alfred Lee	B. E. E.	Goshen	S. College
Parks, Liza	L. I.	Fayetteville	
Parsons, Lloyd Chandler	A. B.	Fayetteville	18 E. Meadow
Payne, Richard Hammond	B. E. E.	Forrest City	753 W. Dickson
Pearson, Stella Rowena	L. I.	Fayetteville	537 Leverett
Pemberton, Ralph L.	B. C. E.	Scott	200 W. Dickson
Pettigrew, Mary Ruth	A. B.	Charleston	Carnall Hall
Petit, Henry Claude	B. S. A.	Harrison	Gray Hall
Pitman, May	A. B.	Greenwood	Carnall Hall
Pope, Walter Lee	A. B.	Hoxie	
Pugh, John D.	A. B.	Fordyce	W. Dickson
Pyeatt, Wallace C.	B. C. E.	Prairie Grove	Dormitory
Ralph, James Lawrence	A. B.	Grandlake	300 W. Center
Ray Charles Hubert	L. I.	Griffithville	Buchanan Hall
Reed, Norman Bates	A. B.	Fayetteville	304 College
Rhyne, Jake O.	A. B.	Clifton	Dormitory
Richmond, Holman	B. C. E.	Fort Smith	Gray Hall
Roark, Granville Wade, Jr.	A. B.	Franklin, Ky.	College
Robertson, Arthur	A. B.	Wynne	763 W. Dickson
Rogers, Joe Tom	A. B.	Choctaw	
Roper, Cornelia	L. I.	Rector	
Ross, Eric Mansfield	B. A.	Grapevine	Dormitory
Sanderford, Stella	L. I.	Fayetteville	
Sankee, Ruth Eugenia	A. B.	Fayetteville	369 Gregg
Scott, Maggie May	A. B.	Helena	Carnall Hall
Sedwick, Richard C.	A. B.	Fayetteville	342 St. Charles
Sellers, Arch Yell	A. B.	Westville, Okla.	417 Vandeventer
Sellers, Nina Gertrude	A. B.	Westville, Okla.	417 Vandeventer
Shackelford, Charles Edgar	L. I.	Okolona	Gray Hall
Sikes, Fred Lee	A. B.	Rogers	Gray Hall
Simpson, Lavis Dryden	B. C. E.	Prairie Grove	Dormitory

Name	Course	Home Address	City Address
Sisco, Claude Mack	L. I.	Rule	Hill Hall
Skinner, Bernice J.	L. I.	Lockesburg	Dormitory
Smith, Eugenia	A. B.	Charleston	Carnall Hall
Smith, Ida Walker	L. I.	Cincinnati, Ark.	621 Leverett
Snodgrass, George Max	B. E. E.	Prairie Grove	Buchanan Hall
Speaks, Samuel Trigg	B. C. E.	Benoit, Miss	303 W. Dickson
Spikes, Alma	A. B.	Fayetteville	531 College
Steece Henry Mortimer	B. S. A.	Fayetteville	312 W. Mountain
Still, Frederick J.	B. M. E.	Buffalo, N. Y.	1004 W. Center
Stockburger, Roy R.	B. E. E.	Fayetteville	
Strickland George	B. S. A.	Atkins	Dormitory
Sutton, George Houston	B. S. A.	Fayetteville	121 W. Dickson
Sykes, James Luther	A. B.	Richmond	Dormitory
Takata, N. Ichitara	B. E. E.	Ishimura, Kobe, Japan	
Tatum, Granville Whittington	A. B.	Booneville	Dormitory
Taylor, Frank	L. I.	Scottsville	Dormitory
Terry, Ruth	A. B.	Bentonville	425 College
Thomas, Fannie	L. I.	Fayetteville	603 Leverett
Thomas, Roy	A. B.	Cayce	
Thompson, Otis Eugene	A. B.	Staunton	629 W. Dickson
Tillman, James R.	A. B.	Russellville	
Vann, John Cyrus	B. S. A.	Fayetteville	125 Lafayette
Veazey, Mildred Virginia	L. I.	Fayetteville	Rallston
Vineyard, Hodge Bennette	B. S. A.	Brinkley	Gray Hall
Walls, Shep R.	A. B.	Lonoke	Mt. Nord
Wallin, Jarrette	A. B.	Sheridan	1004 W. Center
Warrick, Florine Ross	L. I.	Van Buren	Carnall Hall
Waskom, Jesse Green	A. B.		
Watson, Sarah Gertrude	A. B.	McAlester, Okla.	Carnall Hall
Watson, Oscar Burrow	A. B.	Morrilton	728 W. Maple
Watts, Tom	B. E. E.	Cincinnati, Ark.	Buchanan Hall
Weigart, George Thurston	B. E. L.	Rector	158 Hill St.
Wheelis, Roy Benton	L. I.	Ashdown	Dormitory
White, Virgil D.	A. B.	Monticello	115 Block
Whiting, Herman O.	L. I.	Neosho, Mo.	York St.
Wiggins, Presley Ricks	B. E. E.	Fayetteville	113 W. Lafayette
Williams, Davis Christopher	B. E. E.	Fayetteville	
Williams, Guy Ellsworth	L. I.	Fayetteville	322 E. Maple
Williams, James Monroe, Jr.	A. B.	Fayetteville	348 Washington
Williams, Verna Llewellyn	B. S. A.	Marshall	
Williams, Walton Ross	A. B.	Blakemore	17 Hill
Wilson, McCollab Rollins	B. E. L.	Prairie Grove	Buchanan Hall
Winfrey, Hugh Lewis	A. B.	Rudy	Buchanan Hall
Woffard, Custer Alex.	B. E. E.	DeQueen	Gray Hall
Wood, Jack H.	A. B.	Monticello	229 College
Wood, John Samuel	A. B.	Fort Smith	Dormitory
Wood, Robert Earl	L. I.	Blevins	Dormitory
Wood, Roy G.	A. B.	Ft. Smith	Dormitory

Name	Course	Home Address	City Address
Woody, William Watson	A. B.	Fayetteville	346 St. Charles
Woods, Harry Elliot	A. B.	Bentonville	5 W. Center
Woods, Bryce Dickson	A. B.	Rogers	
Wylie, Colin N.	A. B.	Prescott	Gray Hall
Yates, Mary Ellen	I. I	Hope	Carnall Hall
			Total 225

Special.

Allen, Annie	Fayetteville	N. Block
Blackshare, Erie Dean	Fayetteville	Vandeventer Ave.
Davis, John	Harris	
Davis, Henry Albert	Fayetteville	110 University
Eagle, Hugh	Bellefonte	Buchanan Hall
Ellington, Thomas E.		Dormitory
Harrell, Joseph E.	Macey	Dormitory
Harrell, John Redick	Macey	1002 W. Maple
Henry, Jack T.	Chicago, Ill.	Gray Hall
Highfill, Herbert Holmes	Paragould	Dormitory
Herbert, Harry Lee	Greenwood	Buchanan Hall
Jackson, Ray	Paragould	Gray Hall
Keith, Allen Absalom	Van Buren	
Martin, Melbourne Miller	Little Rock	324 College
Metzger, Evelyn Jones	Estherville, Iowa	324 College
Moore, L. Olivette	Fort Smith	Carnall Hall
Moore, Juanita	Fayetteville	735 W. Dickson
Parks, Louise	Fayetteville	416 N. College
Philip, Stanley	Pierre, S. Dak.	217 Church
Pinson, John Henry	Eldorado	Dormitory
Schindler, Carl S.	Fayetteville	300 W. Center
Sims, Mary J.	Harrison	Carnall Hall
Stearnes, Harry LeRoy	Fayetteville	
Ward, Earl Patterson	Memphis, Tenn.	
Willis, Richard B.	Fayetteville	407 Washington
Willis, Margaret Kemper	Fayetteville	407 Washington
Wright, Pat		Dormitory
	Total 27	

SHORT COURSE IN ELECTRICAL ENGINEERING.

First Year.

Name	Home Address	City Address
Bridges, Peter M.	Pine Bluff	Dormitory
Chaney, Harry Hokey	McAlester, Okla.	15 N. Duncan
Ellis, George	Hamburg	
Jones, Ralph Walker	McAlester, Okla.	15 N. Duncan
Marshall, Claude E.	Fullerton, La.	15 N. Duncan
Pemberton, Harold Jennings	Scotts	339 Gregg
Pendleton, Carl Macon	Junction City	
		Total 7

Second Year.

Name	Home Address	City Address
Baker, Louis Spaulding	Fayetteville	523 Washington
Cheek Ben	Pine Bluff	Dormitory
Hooper, Edward Kenneth	Fayetteville	627 Leverett
Spargo, Stephen Dudley	Hot Springs	Dormitory
Tilley, Robert Floyd	Fayetteville	15 N. Duncan
Waugh, Charles Merriwether	Rothwell, Mo.	
		Total 6

SHORT COURSE MECHANICAL ENGINEERING.

Name	Home Address	City Address
Anderson, Elmer John	Chidester	Gray Hall
Berry, John Neill	Pleasant Hill, Ill.	Dormitory
Carter, Witt	Durham	117 W. Lafayette
Case, Hubert Neil	Mountain View	Ida St.
Chynowith, Ray Isaac	Rogers	Gray Hall
Eason, Arthur Atkins	Fayetteville	43 S. Gregg
Green, Wm. Ben	Fayetteville	540 Whitham
Parcell, Earl Wakeman	Tampa, Fla.	
Pulley, Ellsworth Mike	Fayetteville	226 N. Block
Reaves, Joe Leo	Leesville, La.	15 N. Duncan
Valega, Charles Henry	Eldorado	Dormitory
Willis, John Edmond	Little Rock	607 W. Dickson
		Total 12

THE CONSERVATORY OF MUSIC AND ART.

NOTE. The following list contains the names of those students whose major subject is taught in the Conservatory of Music and Art. The total number of students enrolled in the classes of this department in 1909-1910 is 548.

Name	Post Office	Boarding Place
Adams, Helen		Carnall Hall
Bell, Mable	Fayetteville	132 E. Spring
Bowen, Mary	Osceola	Carnall Hall
Bozarth, Gladys	Fayetteville	
Cannon, Margaret	Fayetteville	E. Lafayette Ave.
Collins, Alice	DeQueen	Carnall Hall
Compton, Helen	Wing	Carnall Hall
Conner, Verna Louise	Fayetteville	309 Washington
Crawford, Maude	Ft. Smith	Carnall Hall
Crossland, L. E.	Bryans Mill, Texas	
Davis, Grace	Fayetteville	W. Maple
Davis, Mable	Fayetteville	W. Maple
Davis,	El Paso	Lafayette
Davis, Lucy	Harrisburg	Carnall Hall
Davis, Rachel	Fort Smith	Carnall Hall
Droke, Mary I.	Fayetteville	Hill St.

Name	Post Office	Boarding Place
Eidson, Erin	Fayetteville	409 Lafayette
Flannigan, Madeline	Osceola	Carnall Hall
Galloway, Jean	Spokane, Washington	Carnall Hall
Giddings, Jean	Cassville, Mo.	
Greever, Mrs. Garland G.	Fayetteville	753 Dickson
Hall, Virginia	Fayetteville	212 East
Hay, Elise	Dallas, Texas	117 College
Hayden, Ara	Beaumont, Texas	
Herring, Beulah Margot	Fayetteville	Highland Ave.
Herring, Willard	Fayetteville	Highland Ave
Hobbs, Alice	Rogers	Carnall Hall
Kilpatrick, Charlotte	Malvern	Carnall Hall
Kilpatrick, Roberta	Malvern	Carnall Hall
Kirk, Mable	Robinson, Ill.	Carnall Hall
Kirk, Lola	Robinson, Ill.	Carnall Hall
Lackye, Minnie	Fayetteville	
Lansdell, Ida	Fayetteville	
Lewis, Jennie	Prescott	Carnall Hall
Magruder, Mrs. Belle	Fayetteville	Washington Ave.
Maloney, Orlean	Monticello	Carnall Hall
Mastin, Eleanor	Fayetteville	N. W. Campus
McAdams, Julia	Fayetteville	201 E. Dickson
McDearmon, Nora	Weldon	Carnall Hall
McRae, Evelyn	Hope	Carnall Hall
Miller, Myrtle	Fayetteville	Block St.
Mock, Genevieve	Fayetteville	Mt. Nord
Moore, Margaret	Tavos, N. M.	Carnall Hall
Moore, Susie	Ft. Smith	Carnall Hall
Mullins, Linnie	Texarkana	11 W. Dickson
Neeley, Hallie	Fayetteville	221 Church St.
Norwood, Gladys	Fayetteville	109 Rock St.
Oxford, Lela May	Fayetteville	Cemetery Road
Pape, Sophia	Van Buren	157 College Ave.
Pratt, Joy	Fayetteville	
Price, Evadna	Fayetteville	N. College Ave.
Ramsey, Gene	Fayetteville	324 College
Reynolds, Ruth	Fayetteville	W. Maple
Ross, Wortha	Harrisburg	345 Highland Ave.
Sampson, Myrtle A.	Stuttgart	Carnall Hall
Schoolfield, Eunice	Fayetteville	
Scurlock, Mable	Piggott	Carnall Hall
Skaggs, Norris	Fayetteville	College Ave.
Smith, Gladys	Fayetteville	Carnall Hall
Spinks, Ella	Ft. Smith	Carnall Hall
Stuckey, Margaret	Fayetteville	613 Ida Ave.
Tilley, Irene	Fayetteville	15 N. Ducan
Tillman, Kathleen	Fayetteville	421 N. College Ave.
Trent, Ruth	Fayetteville	220 Church
Trimble, Nelle	Lonoke	Carnall Hall

Name	Post Office	Boarding Place
Veazey, Julia Wilna	Fayetteville	Whitham
Wade, Jessie I.	Fayetteville	11 W. Dickson
Wallace, Grace	Russellville	Carnall Hall
Watson, Gertrude	N. McAlester, Okla	Carnall Hall
Whybark, Nada	Ft. Smith	Carnall Hall
Williams, Josephine	Fayetteville	Washington
Williams, Louise	Fayetteville	Washington
Wilson, Margaret	Fayetteville	
Wood, Jane	Monticello	Maple
		Total 79.

Sub-Freshman Class.

Name	Course	Post Office	Boarding Place
Allen, Nina	L. I.	Casa	Carnall Hall
Ambrose, Roscoe	A.	Fayetteville	Box No. 53
Anderson, Louis I.	L. I.	Hollywood	Buchanan Hall
Armstrong, Roy Broyles	E.	Fayetteville	S. Hill St.
Austin, Mary Louise	A.	Conway	West Dickson
Ball, Samuel Millard	A.	Ravenden	309 W. Dickson
Banta, Katherine	A.	Fayetteville	436 Olive
Barry, Edna	A.	Fayetteville	753 W. Dickson
Barton, Mary Garland	A.	Turrell	Carnall Hall
Bates, Mary Myrtle	A.	Fayetteville	West Maple
Baxter, Edward Richard	A.	Batesville	Gray Hall
Beard, Roberta May	A.	Cave Springs	502 College Ave.
Beck, Robert William	Agr.	Wynne	17 Hill St.
Benton, Sidney Wright	E.	Fayetteville	109 Block St.
Boyd, Frances Leone	A.	Fayetteville	520 College Ave.
Bradford, William Claude	A.	Houston	Gray Hall
Bradley, Harold Herbert	E.	Harrah, Okla.	Highland Ave.
Bray, Ernest Richard	A.	Senath, Mo.	629 W. Dickson
Brennan, Dorothy	L. I.	Fayetteville	120 Block St.
Briggs, George C.	E.	Texarkana	
Brown, Clifford H.	A.	Des Arc	728 W. Maple
Brown, Epps, Jr.	A.	Des Arc	728 W. Maple
Brown, George	E.	Branch	A. J. Ballard
Browning, John Marvin	A.	Springhill, La.	Hill Hall
Bryan, Cecil	A.	Vian, Okla.	Dormitory
Bunch, William Larkin	A.	Kingston	20 S. Duncan St.
Burkile, John George	A.	Stuttgart	600 Whitam St.
Burkhalter, Lawrence R.	E.	Higginson	Gray Hall
Butler, Mary Lucy	A.	Fayetteville	125 E. Dickson
Caldwell, Edmond Andrew	Agr.	Parkdale	Mrs. J. E. Plummers
Carrol, John Charles	A.	Trull	A. J. Ballard
Carter, George B.	A.	Rison	Gray Hall
Carter, Von	A.	Durham	117 Lafayette
Case, Georgie Irene	A.	Mountain View	Carnall Hall
Cates, Allen	L. I.	Boles	540 Whitam St.
Caudle, Thomas Allen	Agr.	Scottsville	Buchanan Hall

Name	Course	Post Office	Boarding Place
Chambers, Thomas Hamilton	A.	Briggsville	Gray Hall
Chryst, Mary	L. I.	Fayetteville	Center St.
Clark, Elery Hardy	E.	Goshen	S. College Ave.
Clark, Madison Dayton	A.	Malvern	Gray Hall
Clark, Robert Trice	E.	Fayetteville	Mrs. H. R. Clark
Collins, Francis	A.	De Queen	Carnall Hall
Cook, E. T.	E.	Fayetteville	West of Town
Cooper, Robert R.	E.	Walnut Ridge	803 W. Dickson
Crippen, Orilla	L. I.	Fayetteville	S. Church St.
Croxdale, Earl Thomas	A.	Fayetteville	703 W. Dickson
Croxdale, Everett Woods	A.	Fayetteville	703 W. Dickson
Croxson, William Julius	E.	Little Rock	324 College Ave.
Crownover, Cecil Edgar	E.	Plain View	Gray Hall
Daniel, Fannie	L. I.	Piggott	Carnall Hall
Daniel, Willie E.	L. I.	Piggott	Gray Hall
Daugherty, Lucian Day	A.	Newport	337 St. Charles St.
Davis, Brickel	C.	El Paso	310 Lafayette
Davis, Dora Lucile	A.	Dowell	Maple St.
Dickenson, Raymond Vergil	A.	Horatio	Hill Hall
Donaldson, Horace Palmer	Agr.	Paragould	Gray Hall
Duncan, Isabelle	C.	Waldron	Carnall Hall
Eddy, Charles Henry	A.	Buckner	Gray Hall
Eidson, Erin Victoria	C.	Fayetteville	409 Lafayette
Eidson, Sallie	A.	Fayetteville	409 Lafayette
Ellington, Orin	E.	Magazine	409 W. Dickson
Ellis, Elizabeth	A.	Fayetteville	312 Lafayette
Ellis, Robert Alvin	L. I.	Hindsville	334 College Ave.
Etheridge, Hogan	E.	Fayetteville	763 W. Dickson St.
Ferguson, Julius Arthur	A.	Rogers	223 W. Dickson
Funkhouser, Virginia	C.	Summers	Carnall Hall
Gaines, Whitworth Duke	E.	Fort Smith	226 College Ave.
Gean, Bernard	A.	Sheridan	Dr. Welch
Gillam, Embra Bailey	A.	Swifton	Carnall Hall
Gillespie, Virgil Eula	L. I.	Osceola	Carnall Hall
Gist, Charles Hl	E.	Lexa	224 Church St.
Gladson, Marlon	A.	Fayetteville	820 Maple St.
Goodner, Ben Albert	A.	Oden	300 Center St.
Gray, Thomas Preston	A.	Brawley	Buchanan Hall
Gregg, Pansy	L. I.	Fayetteville	325 W. Lafayette
Hackworth, Pat Dean	E.	Magnolia	Gray Hall
Hall, Loyd Ghollson	Agr.	Paragould	Hill Hall
Hall, Samuel Labon	E.	Turner	620 Maple
Hall, Willis Leggett	E.	Waldron	Gray Hall
Hardin, Flora	L. I.	Weiner	421 N. College
Hayden, Lois Hope	L. I.	Mabelvale	740 W. Maple
Hays, Charles Wentworth	E.	Fayetteville	101 West
Hemphill, Ella Virginia	A.	Richmond	Carnall Hall
Hilt, Paul Harrison	A.	Fayetteville	313 Lafayette
Hinton, Jesse James	Agr.	Stampes	Gray Hall
Hinton, Leonard E.	A.	Stampes	Gray Hall
Huber, Casper A.	E.	Weiner	Buchanan Hall

Name	Course	Post Office	Boarding Place
Huggins, Frank	Agr.	Ozark	Hill Hall
Hughes, Martha Lee	A.	Waldron	807 Hill
Humphries, Francis Aldridge	E.	Fayetteville	14 Lafayette
Huntley, Bruce	E.	Kingston, Tex.	Buchanan Hall
Huxtable, Frank Barton	A.	Blythville	E. Dickson
Isom, Mather	A.	Jonesboro	Dormitory
Jacks, Raymond Dowell	A.	Marianna	735 W. Dickson
Jackson, Thomas Lee	A.	Umpire	Hill Hall
James, Ray Ballard	E.	Fayetteville	
Jeffery, Neill	L. I.	Desha	Gray Hall
Johnston, Elbert Lecurcus	L. I.	Auvergne	Hill Hall
Keith, Wyly Nichols	A.	Oklahoma, Okla.	324 College
Kelton, Fannie	A.	Fayetteville	School
Key, Campbell Taylor	A.	Coffeyville, Okla.	200 Dickson
King, Garvis	E.	Cameron, Okla.	225 East
Knight, Ralph	E.	Broken Arrow, Okla.	Gray Hall
Ladd, Wm. Monroe	E.	Briggsville	Gray Hall
Lamberton, Elizabeth	A.	Little Rock	Carnall Hall
Leak, Annie	A.	Fayetteville	W. Dickson
Lighton, Dorothy	A.	Fayetteville	R. F. D.
Loveland, Nathan E.	A.	Stanton	Whitham
Luck, Fleming Marshal	A.	Altus	Gray Hall
Magness, Earnest B.	A.	Fayetteville	404 Maple
Mason, James Archie	A.	Welcome	Gray Hall
McCutcheon, Henry Grady	A.	Abbott	211 Lafayette
McFarlane, Marguerite	A.	Fayetteville	202 W. Lafayette
McFarlane, William D.	A.	Fayetteville	202 W. Lafayette
McMurtrey, Alice Olivette	A.	Rison	Carnall Hall
McMurtrey, Elisha Loly	A.	Rison	Carnall Hall
McPherson, Ralph Russel	A.	Stuttgart	Buchanan Hall
Medley, William Charles	A.	Locust Bayou	Buchanan Hall
Metcalf, Roy James	A.	Horatio	Hill Hall
Milburn, Mabelle	A.	Fayetteville	20 Dickson
Milligan, James J.	A.	Fayetteville	20 N. Duncan
Milligan, Margaret Lucile	A.	Fayetteville	20 N. Duncan
Millmine, Charles J.	E.	Hot Springs	303 W. Dickson
Millwee, Fay Bruce	A.	Horatio	Dormitory
Moore, James Clifford	E.	Cincinnati	600 Whitham
Moore, Katsue	C.	Fayetteville	735 W. Dickson
Moore, Lyla Gertrude	A.	Fayetteville	207 W. Lafayette
Moran, Marvin M.	A.	Thornton	Gray Hall
Moreland, Jesse Dobbs	L. I.	McKinney, Tex.	322 E. Maple
Morton, Winifred	A.	Fayetteville	512 Washington
Murphy, Willia H.	A.	Swifton	Hill Hall
Nall, Tommie Nathan	A.	Sheridan	103 W. Dickson
Newman, Archie Lee	A.	Marion	200 W. Dickson
Nichols, Meyer	A.	Pine Bluff	Joe Bates
Norris, Claude Brazil	A.	Heavener, Okla.	211 Lafayette
Oates, Eunice	A.	Russelville	Carnall Hall
Oliver, James William	A.	Eureka Springs	309 W. Spring
Otto, William Odell	Sch.	Sheridan	Gray Hall

Name	Course	Post Office	Boarding Place
Oxford, Lela May	C.	Fayetteville	Cemetery
Palmer, Roy Clark	A.	Fayetteville	R. F. D. No. 2
Parks, John Dryden	E.	Fayetteville	416 N. College
Perkins, Elizabeth	A.	Fayetteville	West of University
Phillips, Henry Elbert	E.	Gravette	Buchanan Hall
Phillips, John Tom	A.	Armored	628 Maple
Phillips, Josephine	S.	Nowata, Okla.	Carnall Hall
Pope, Abner Andrew	E.	Walnut Ridge	25 Scott
Porter, Francis Elizabeth	A.	Fayetteville	515 Maple
Pyeatt, Clara Josephine	A.	Cane Hill	703 W. Dickson
Pyeatt, Elizabeth	A.	Cane Hill	703 W. Dickson
Pyeatt, Mary Eugenia	A.	Cane Hill	703 W. Dickson
Ratliff, Emmitt Marshal	E.	Healing Springs	Dormitory
Reed, Kate	A.	Johnson	Watson
Reinsch, Oscar Rudolph	E.	Stuttgart	600 Whitam
Reubell, Omer Reginald	A.	Fayetteville	N. College
Richards, Dorothy Louise	A.	Fayetteville	2 N. Duncan
Richards, Harvey Hugh	Agr.	Fayetteville	214 W. Dickson
Richards, Parnell	A.	Fayetteville	214 W. Dickson
Rogers, Gideon Kirk	A.	Rattsville	Hill Hall
Rose, Hiram Edward	A.	Owensboro, Ky.	Prof. Banta
Ross, Woottha Joe	C.	Harrisburg	345 Highland
Rudell, Jude Erastus	E.	Hackett	Mr. Stanford
Rudolph, Freda Francis	A.	Fayetteville	R. F. D. No. 2
Sanders, Paul E.	E.	Lincoln	9 N. West
Savage, Alex. Bennie	E.	Fort Smith	A. J. Ballard
Seamster, Bert	A.	Bentonville	428 W. Dickson
Short, George Goodwin	A.	Fayetteville	A. K. Short
Sigler, Orvis	A.	Mammoth Springs	740 Maple
Simco, Thomas Frank	A.	Fayetteville	318 Lafayette
Smith, Calvin Sidney	A.	DeQueen	Dormitory
Smith, Earl Webster	E.	Fayetteville	N. College
Smith, Hugh W.	E.	Hot Springs	303 W. Dickson
Smith, Mildred Anna	A.	DeQueen	Carnall Hall
Spurlock, Gerald	E.	Fayetteville	Mock
Stroup, Zeta	L. I.	Paris	360 Arkansas
Stroup, Zinga	L. I.	Paris	360 Arkansas
Stultes, John Bunyan	A.	Paragould	540 Whitam
Swicegood, John R.	E.	Nashville	Hill Hall
Talley, Lewis S.	A.	Atkins	Gray Hall
Tatum, Stonewall	A.	Bluffton	A. J. Ballard
Thomas, Bartney Margaret	A.	Fayetteville	404 Washington
Thomas, Clifton Breckinridge	A.	Fayetteville	603 Leverett
Thomason, Victor	E.	Marvel	600 Whitam
Thompson, Edith	A.	Greenland	Lafayette
Thompson, Holman Bennett	A.	Spielerville	Gray Hall
Throgmorton, Walter Eugene	A.	Earl	J. E. Stanford
Throgmorton, James G.	A.	Ingram	Mr. Hall
Toler, Bernard	A.	Leola	Buchanan Hall

Name	Course	Post Office	Boarding Place
Toler, Herman	A.	Sheridan	Buchanan Hall
Treece, Nettie	A.	Marshall	Carnall Hall
Trigg, Robert Edward	E.	Texarkana	Gray Hall
Tucker, Ethel	C.	Cameron, Okla.	312 W. Lafayette
Turner, Leslie	L. I.	Marianna	Gray Hall
Tyson, Harvey Jewell	A.	Camden	Hill Hall
Vann, Francis Mac	A.	Fayetteville	25 E. Lafayette
Vickers, Hazelett A.	A.	Fayetteville	Scott
Waldron, Richard C.	A.	Black Rock	Buchanan Hall
Walker, Ora Fletcher	E.	Paragould	Gray Hall
Wasson, Artie Ella	L. I.	Westville, Okla.	Dormitory
Watt, Velma Irene	L. I.	Quinton, Okla.	Dormitory
Webb, Elma Lee	L. I.	Martenville	J. W. Webb
Weir, Doll	L. I.	Fort Smith	W. S. Johnson
West, Maggie	L. I.	Alma	924 Maple
West, Susan	L. I.	Alma	924 Maple
Whitmore, Francis L.	A.	Fayetteville	416 Washington
Wilder, Clem S.	L. I.	Mansfield	15 N. Duncan
Willard, Alice Eva	A.	Fayetteville	122 East
Willard, Reese W.	E.	Fayetteville	122 N. East
Williams, Clarence E.	A.	Monette	Gray Hall
Williams, Coran	A.	Blackoak	Dormitory
Williams, Ivan B.	E.	Fayetteville	E. Lafayette
Williams, Jacob	A.	Monette	Hill Hall
Wilson, Oscar	A.	Beebe	17 Hill
Winfrey, John S.	A.	Rudy	Buchanan Hall
Woody, Lemuel Dale	E.	Fayetteville	346 St. Charles
Wooten, Grover C.	A.	Rondo	300 W. Center
Wozencraft, Annie	A.	Fayetteville	Spring
York, Harvey Alex	L. I.	Dotson	A. J. Ballard
Young, John H.	E.	Heavener, Okla.	740 Maple
			Total, 218.

THE MEDICAL SCHOOL.

Adams, J. L.	Bray, T. L.	Coffman, H. L.
Allen, W. P.	Branch, S. H.	Conner, P. A.
Baker, F. P.	Brooks, E. J.	Cox, H. W.
Baker, J. H.	Brown, E. J.	Crockett, B. F.
Baldrige, H. N.	Brown, G. W.	Crockett, W. H.
Banister, B. F.	Browning, E. R.	Crosser, J. L.
Barham, J. H.	Browning, H. W.	Culbertson, R. R.
Bates, C. A.	Buchanan, G. A.	Cutting, Herwald
Beasley, J. L.	Burgess, F. J.	Day, Ed O.
Bell, Minto	Butler, I. S.	Dillard, J. A.
Black, J. C.	Capel, Coll	Dodson, C. A.
Bohanan, J. H.	Cathey, A. D.	Doynes, C. R.
Bollinger, I. W.	Center, W. B.	Drennan, S. A.
Bond, S. P.	Chitwood, E. R.	Duff, W. M.
Boyer, H. L.	Clark, F. M.	Dunn, O. O.

Dungan, C. E.	Jones, J. A.	Riley, J. L.
England, J. F.	Kelly, M. D.	Roberts, D. W.
Fairechild, R. R.	Kennedy, Martial	Robertson, L. D.
Fairris, J. H.	Kinnebrew, E. A.	Rubins, H. M.
Finch, J. H.	Lawson, L. D. L.	Sandlin, J. T.
Fletcher, G. B.	Lewis, C. A.	Saylers, G. S.
Fletcher, M. A.	Lieblong, J. S.	Scott, Homer
Fowler, Charlie	Lindsey, E. L.	Sheets, W. W.
Freemeyer, W. N.	Mason, J. J.	Simpson, W. F.
Gates, S. M.	Matthews, J. T.	Sisco, C. P.
Gist, J. A.	McHenry, P. L.	Smith, J. H.
Gladden, J. R.	McMahan, J. S.	Spikes, J. M.
Gladden, J. G.	McPherson, V. L.	Standefur, J. C.
Graves, J. R.	Melton, A. S.	Stewart, Joe
Guthrey, J. E.	Miller, Louis	Stover, Verne R.
Gwaltney, B.	Mitchell, S. S.	Summers, J. A.
Hall, H. J.	Moore, G. C.	Taylor, G. W.
Halstead, Beeler	Moore, W. P.	Thomas, Earnest
Hardgrave, G. L.	Morris, R. D.	Thompson, L. O.
Hargis, J. W.	Munn, J. A.	Thompson, M. G. Jr.
Harris, Bun	Murphy, Pat.	Tyrell, J. F.
Harvey, J. H.	Neal, J. H.	Underwood, E. O.
Hathaway, W. G.	Nelson, J. O.	Utley, F. E.
Hayden, J.	Norman, J. G.	Utley, F. M.
Heath, E. M.	Norton, J. M.	Utley, H. L.
Henry, R. T.	Ogilvie, B. L.	Walker, J. C.
Higgins, H. A.	Oury, Ed	Waltrip, J. R.
Hodges, W. G.	Pace, C. W.	Warford, J. C.
Holloway, E. E.	Pace, Joe	Ward, R. H.
Holt, C. Z.	Parker, Orlie	Wear, W. M.
Hunt, W. J.	Parks, M. R.	Welsh, W. W.
Hunter, O. L.	Pickens, W. A.	Werlein, P. E.
Hunter, R. M.	Pierce, R. H.	Whitaker, E. L.
Hurley, T. D.	Plumlee, J. L.	White, E. O.
Hurrie, F. E.	Poe, J. F.	Williams, L. B.
Iles, J. T.	Pool, T. J.	Williams, E. T.
Ingram, E. M.	Powell, E. B.	Williams, H. F.
Jeffery, P. H.	Powell, Wm.	Williamson, R. G.
Jergesen, L. H.	Pyatt, E. C.	Wilson, H. O.
Jewell, V. L.	Ramey, Clyde	Wood, G. C.
Johnson, J. N.	Reed, C. C.	Wright, J. E.
Johnston, E. E.	Reynolds, J. R.	Yeargen, W. M.

Total, 171.

LAW DEPARTMENT.

F. M. Betts	S. S. Caldwell	W. S. Cox
L. P. Biggs	J. S. M. Cannon	Glen H. Dale
Jacob Boschart	Miss Erle Chambers	A. J. DeMers
Vivian O. Brack	C. L. Collins	E. K. Edwards
C. W. Breitenstein	Frank Collins	Miss Ethel Emery
M. B. Brewer	E. L. Compere	Albert Gerlach

L. J. Gibson	Verne McMillen	H. C. Scott
Clifton W. Gray	Phil McNemer	A. M. Shelton
S. S. Hargraves	James W. Mehaffy	J. A. Sherrill
Fred F. Harrelson	J. W. Morrow	Price Shofner
J. Henderson, Jr.	William Nickell	F. L. South
Fred A. Isgrig	D. A. Norton	R. L. Spires
A. J. Johnson	G. T. Owens	James W. Strawn
G. F. Jones	Bert Parker	V. V. Suggs
J. O. Kincannon	J. A. Patterson	T. J. Terrall
W. T. King	J. M. Pearson	W. W. Threlkeld
Lee J. Lewis	Henry S. Pepin	J. M. Thurman
G. S. Lindsey	J. E. Perkins	I. L. Titus
O. C. Ludwig, Jr.	T. J. Poe	E. E. Walden
R. H. Magill	Wallace Quindley	J. H. Wallace
G. L. Mallory	James E. Ray	J. H. Wallace
H. R. Mathis	Elbert Rider	J. B. Webster
Geo. B. McCarty	Henry C. Riegler	Leonard West
W. E. McCoy	Earl H. Rivers	H. R. Young
J. T. McGill	A. H. Scott	O. N. Young
		Total, 75

SUMMARY OF STUDENTS.

Graduates	14
Seniors	79
Juniors	99
Sophomores	167
Freshmen	225
Special students	27
Students in short courses in engineering	25
Students in the Conservatory	79
Total number of collegiate and Conservatory Students	715
Total number of preparatory students	218
Unclassified	25
Students in short course in Agriculture	31
Total number of students at Fayetteville	989
Students in the Medical School (Little Rock)	171
Students in the Law School (Little Rock)	75
Students in the Branch Normal College (Pine Bluff)	305
Total number of students in the University of Arkansas	1540

Collegiate Alumni of the University of Arkansas

Name.	Degree	Year.	Occupation.	Address.
Abercrombie, Bertha.	B. A.	'05	.....	Fayetteville
Abercrombie, J. S.	B. A.			
	LL. B.	'04	Lawyer.	Benton, Ark.
Abernathy, G. C.	B. A.	'00	Lawyer.	Shawnee, Okla.
Aikin, D. C.	B. C. E.	'89		
Alden, R.	B. A.	'02	Ass't Cashier Grove Bank	Grove, Okla
Allen, Edna.	B. A.	'06		
Allen, J. C.	A. B.	'09		
Anderson, L. S.	B. L. L.	'84	Examiner, U. S. Patent Office.	Washington, D. C.
Andrix, E. R.	B. M. E.	'06	Const. Eng., with M. W. Kellog Co.	Jersey City
Arbuckle, J. D.	B. A.	'92	District Prosecuting Att'y.	Paris, Ark.
Armistead, C. F.	B. A.	'93	Capt. 21st Infantry, Com- mandant U. of A.	Fayetteville
Ash, L. R.	B. C. E.	'03		
	B. E. E.	'04		
	C. E.	'05	Civil Engineer, with I. G. Hedrick.	Kansas City, Mo.
Askew, G. H.	B. A.	'98	Insurance Agent.	Little Rock, Ark.
Askew, Nancy E.	B. A.	'01	Mrs. C. N. Weems.	Smith's Grove, Ky.
Askew, W. H.	B. A.	'07	Lawyer.	Magnolia, Ark.
Austin, R. E. L.	B. A.	'06	Teacher.	Lonoke, Ark.
Ayres, W. E.	B. C. E.	'98	Civil and Const. Eng.	156 Randolph Bldg. Memphis, Tenn.
Baich, C. P.	B. A.	'07		
	L. I.	'05		
Ballard, B. C.	B. A.	'06	Member-elect Arkansas Legislature.	Fayetteville, Ark.
Ballard, J. M.	B. A.	'07	Teacher.	Springdale, Ark.
Barnett, C. P.	B. E. E.	'06	Eng. for Urban Const. Co.	401-402 Dwight Bldg., Kansas City, Mo.
Barnett, Nettie.	B. L.	'79	Mrs. C. P. Boles.	Fayetteville.
Barr, Ida G.	B. S.	'96	Mrs. R. E. Bagley.	Perry, Okla.
Barrett, F. B.	B. C. E.	'07	Topo. U. S. G. S.	Jonesboro, Ark.
Barrett, R. M.	B. S. C.	'08		Jonesboro, Ark.
Barton, R. B.	B. A.	'02	Member F. G. Barton Cot- ton Co.	Memphis, Tenn.
Bates, C. O.	B. A.	'83	Prof. Chem., Coe College.	Cedar Rapids, Ia.
Bates, J. H.	B. A.	'86		
Bates, Madge N.	B. A.	'03	Mrs. Hugh Morrow.	Fayetteville.
Baxter, J. W.	B. A.			
	B. S.	'02	Real Estate and Invest- ments.	Fayetteville.
Bailey, W. S.	B. E. E.	'09		Jonesboro, Ark.
Beakley, J. D.	B. A.	'02		
Beard, A. H.	B. C. E.	'05		

Name.	Degree.	Year.	Occupation.	Address.
Beattie, Mary B.....	B. A.	'96	Primary Art Teacher, School for Deaf.....	Flint, Mich.
Belknap, J. R.....	M. E.	'08	Allis-Chalmers Co.....	Chicago, Ill.
Bell, J. C.....	B. A.	'94	Physician.....	Memphis, Tenn.
Bell, Lexie.....	A. B.	'09	.....	Benton, Ark.
Bell, M. L.....	B. A.	'98	General Atty., C. R. I. & P. Ry. Co.....	Chicago, Ill.
Bevers, A. W.....	B. A.	'99	Druggist.....	Springdale, Ark.
Bibb, Blanche.....	B. A.	'93	Mrs. G. A. Humphreys....	New York.
Billings, F. M.....	B. C. E.	'03	Ch. Engr. The Oliver-Cuban Co.....	Manzanilla, Cuba.
Bird, Earl V.....	B. C. E.	'08	Asst. City Engineer.....	Muskogee, Okla.
Black, J. W.....	B. A.	'92	.....	.....
Blackshire, P. L.....	B. C. E.	'06	Illinois Steel Co.....	Chicago, Ill.
Blackwell, W. I.....	B. C. E.	'92	.....	.....
Blair, J. H.....	B. C. E.	'99	Consulting Engineer.....	Joplin, Mo.
Blair, Leora.....	L. I.	'04	.....	.....
.....	B. A.	'07	Teacher.....	Van Buren, Ark.
Blair, T. C.....	A. B.	'09	.....	.....
Blakeley, Leonora I.....	B. A.	'78	.....	.....
.....	L. I.	'78	Mrs. H. M. Hudgins.....	Fayetteville.
Blakemore, T. L.....	B. A.	'08	.....	.....
Blanchard, Fay H.....	B. A.	.....	.....	.....
.....	L. I.	'04	.....	Fayetteville.
Blaylock, J. C.....	B. C. E.	'03	Chief Estimator and De- signer, H. Ellenberger & Co.....	Chicago, Ill.
Bloom, J. R.....	B. E. E.	'04	Pine City Elec. Co.....	Pine Bluff, Ark.
Boles, A. P.	B. A.	'08	Student, U. of A.....	Fayetteville.
Bolinger, W. A.....	B. A.	'07	Teacher, Ft. Smith H. S....	Ft. Smith, Ark.
*Booth, W. P.....	B. A.	'82	.....	.....
Borden, Alice.....	.....	'77	Mrs. J. B. Strouse.....	2022 Floyd St., Louisville, Ky.
Borders, J. M.....	B. S. A.	'07	Real Estate.....	Fayetteville.
Bostick, J. A.....	B. S.	'01	Inspector Treas. Dept....	Washington, D. C.
*Botefur, Laura D.....	.....	'75	Mrs. G. W. Shulte,	.....
Bowles, P.....	B. C. E.	'88	.....	.....
Boyd, W. E.....	B. A.	'96	Gen. Claim Agt., T. & B.V. Ry.....	Houston, Tex.
Braly, Amanda.....	B. S.	'96	.....	.....
.....	L. I.	'06	Teacher, Public Schools...	Fayetteville.
Braly, E. H.....	B. A.	'94	Eng. for Wm. Kenefick Co.	Kansas City, Mo.
*Braly, E. K.....	B. M. E.	'97	.....	.....
Braly, Etta.....	B. S.	'96	Mrs. Thos. McCulloch....	Lincoln, Ark.
Brewer, O. H. P.....	B. S.	'93	Pres. Cherokee Bd. of Ed...	Muskogee, Okla.
Brewster, H.....	B. A.	'03	.....	.....
Briggs, O. D.....	B. A.	'02	.....	.....
Brixey, A. M.....	B. A.	'96	Merchant.....	Mounds, Okla.
Brizzolara, John.....	B. A.	'08	Student, Columbia Univ...	New York City.
Brockman, E. W.....	B. A.	'06	Law Student, Cumberland Univ.....	Lebanon, Tenn.

*Deceased.

Name.	Degree.	Year.	Occupation.	Address.
Brown, C. C.....	B. A.	'08	Med. Student, Johns Hop- kins.....	Baltimore, Md.
Brown, E. T.....	B. C. E.	'00	Div. Engr. B. & O. Ry....	Winchester, Pa.
Brown, F. I.....	B. M. E.	'02	Mech. Eng., with Thos. Fordyce Co.....	Little Rock, Ark.
Brown, H. S.....	B. M. E.	'01	N. E. Mgr. of Power Spe- cialty Co.....	Boston, Mass.
Brown, W. D.....	B. A.	'82	Physician.....	Newtonia, Mo.
Brunskog, C. W....	B. C. E.	'06	C. M. & St. P. Ry.....	Marion, Iowa.
Brunson, T. R....	B. C. E.	'08		
Bryan, L. B.....	B. C. E.	'03	Ass't City Engineer.....	Chattanooga, Tenn.
Bryant, W. C.....	B. A.	'07	Teacher, Little Rock H. S.	Little Rock, Ark.
Buchanan, H. E....	B. A.	'02	Instructor, U. of Wis....	
Buford, C. H.....	B. C. E.	'07	Inst. Man. for C. M. & St. P. Ry.....	Chicago, Ill.
Bunn, J. B.....	A. B.	'09		Hamburg, Ark.
Burney, Sue.....	B. A.	'04	Principal, High School	Van Buren, Ark.
Butler, H. M.....	B. A.	'79		
Campbell, J. L....	B. A.	'97	Traveling Salesman	Greenwood, Ark.
Campbell, L. L....	B. A.			
	L. I.	'06	Law Student, Columbia U.	New York City.
*Carden, E. B.....	B. L.	'77		
Carnall, Bess.....	A. B.	'09	Grad. Student, Univ. of Ark.	Fayetteville, Ark.
*Carnall, Ella.....	Ph. M.	'81		
Carothers, Neil....	B. A.	'05	Adj. Prof. Econ. & Sociol., Univ. of Ark.....	Fayetteville.
Carr, W. B.....	B. S.	'05	With Iola Portland Cement Co.....	Dallas, Tex.
Carrigan, A. H.....	B. A.	'82	Dist. Judge, 30th Dist....	Wichita Falls, Tex.
Carson, Annie E.....		'75	Mrs. Jno. Knight.....	Jonesboro, Ark.
Carson, Augusta O....		'75	Mrs. T. W. Cline.....	
Carter, E. L.....	B. A.	'05	Law Student, U of A....	Little Rock, Ark.
Carter, H. R.....	B. C. E.	'07	City Engr.....	Texarkana, Ark.
Cartwright, W. W....	L. I.	'03		
	B. A.			
	B. S.	'03	Member Gen. Assembly...	Mountain View, Ark.
Cash, C. C.....	A. B.	'09	Comdt. T. C. I.....	San Antonio, Tex.
Catts, E. C.....	B. M. E.	'06	With Eagle & Phoenix Cot- ton Mills.....	Columbus, Ga.
Chamberlain, R. R....	B. S.	'09		Malvern, Ark.
Chanslor, C. K.....	B. A.	'82	Cashier, Barry Co. Bank...	Cassville, Mo.
Chapman, J., Jr....	B. C. E.	'05	Insp. St. Francis Levee....	Memphis, Tenn.
Chapple, E. W....	B. E. E.	'04	With Gen. Elec. Co., Pro- duction Dept.....	Schenectady, N. Y.
Cherry, W. R.....	B. A.	'82	Cashier, Bank of Paris....	Paris, Ark.
Childress, Nora.....	B. A.	'08	Teacher	
Chunn, G. D.....	B. S.	'08		Holly Grove, Ark.
Clancy, Wm., Jr....	B. C. E.	'02	Mining Engr., E. Butte Copper Mining Co.....	Butte, Mont.
Clark, E.....	B. A.	'03		

*Deceased.

Name.	Degree.	Year.	Occupation.	Address.
Cochrane, V. H.	B. C. E.	'01		
	C. E.	'06	Ch. Draftsman, Waddell & Hedrick.	Kansas City, Mo.
Cockrill, E.	B. M. E.	'05	N. K. Fairbanks Co.	Chicago, Ill.
Coker, A.	B. C. E.	'07		Lead Hill, Ark.
Coker, J. C.	B. C. E.	'09		Lead Hill, Ark.
Coker, R.	B. C. E.	'07	Gen. Contractor.	Ft. Smith, Ark.
Cole, Mary E.	L. I.	'04		
	B. A.	'05	Instructor, High School.	Stillwater, Okla.
Coleman, Nell.	A. B.	'09	Grad. Student, Univ. of Ark.	Fayetteville, Ark.
Collier, J. T.	B. A.	'01		
Collins, T. A.	B. A.	'06	Ass't Pros. Atty.	De Queen, Ark.
Combs, W.	B. C. E.	'07		Rector, Ark.
Connelly, S.	B. A.	'00		
Cook, C. M., Jr.	B. S.	'05	Midshipman, U. S. N.	
			Academy.	Annapolis, Md.
Cook, L. J.	B. A.	'04	Atty. at Law and Real Est.	Texarkana, Ark.
Craig, P. G.	B. A.	'06	Student, Columbia Univ.	New York City.
Cravens, Jessie.	B. L. L.	'83	Mrs. O. L. Cravens.	Neosho, Mo.
Crawford, W. A.	B. A.	'00	Supt. Schools.	Russellville, Ark.
Cromwell, C. W.	B. C. E.	'05		St. Maries, Idaho.
Croom, C. W.	B. A.	'06		West Point, Miss.
Crozler, A. B.	B. E. E.	'97	Consulting Engineer.	510 K. C. Life Bldg., Kansas City, Mo.
Crozler, Elizabeth N.	B. A.	'03	Mrs. H. C. Evins.	Morrow, Ark.
Crozler, Ruth.	B. A.	'07		Fayetteville.
Crozler, W. N.	B. A.	'88	Minister.	Fayetteville
Cubage, J. G.	B. A.	'06	Teacher.	Hot Springs, Ark.
Cummings, R. N.	B. A.	'98		2423 9th Ave., Seattle, Wash.
Curry, Lula.	B. S.	'92	Mrs. G. L. Teller.	Riverside, Ill.
Dalton, C. E.	B. E. E.	'06		
Danaher, M.	B. A.	'88	Lawyer.	Pine Bluff, Ark.
Daniels, H. F.	B. C. E.	'03	Trav. Frt. Agt., N. & W. Ry.	Memphis, Tenn.
Davis, B. F.	B. A.			
	B. S.	'01	Lawyer.	Wewoka, Okla.
Davies, Hadgie B.	B. A.	'03	Mrs. L. R. Ash.	Kansas City, Mo.
Davies, Lilah C.	B. A.	'96	Mrs. Claud Head.	Little Rock, Ark.
Davies, Mary L.	L. I.	'04		
	B. A.	'04	Teacher.	Texarkana, Ark.
Davis, A. C.	B. M. I.	'09	M. W. Kellogg Co.	Jersey City.
Davis, Barbara C.	B. Mus.	'06	Mrs. L. S. Olney.	Fayetteville
Davis, F. H.	B. C. E.	'03	Junior Engr., U. S. Engi- neers' Office	Tuscaloosa, Ala.
Davis, J. B.	B. S.	'05		Chelsea, Okla.
Davis, J. H.	B. E. E.	'01	Ass't Elec. Engr. B. & O. Ry.	Baltimore, Md
Davis, Lizzie P.		'75	Mrs. R. C. Brown.	
Davis, Lyta.	B. S.	'07		Fayetteville
Davis, O. L.	B. C. E.	'09		

Name.	Degree.	Year.	Occupation.	Address.
Deloney, E. D.....	B. A.	'06		
Deane, Ruth E.....	B. A.	'08	Teacher, Public Schools...	Mena, Ark.
Deane, S. E.....	B. C. E.	'07	Surveyor.....	Sanders, Idaho.
Dickinson, Ruth A.....	B. A.	'00	Mrs. Elliott Berry.....	Bentonville, Ark.
Dickinson, T. T.....	B. A.	'00		
	L. L. B.	'02	Lawyer.....	Little Rock, Ark.
Dickinson, W. E.....	B.S.Ch.	'05	Chemist, Independent Phos- phate Mines.....	Columbia, Tenn.
Dickson, E. W.....	B. E. E.	'07	Electr. Engineer.....	Desha, Ark.
Dickson, W. E.....	B. A.	'88	Teacher.....	Waldo, Ark.
Douglas, Frances.....	A. B.	'09		
Drake, C. H.....	B. C. E.	'91		
	C. E.	'94		Summers, Ark.
Drake, N. F.....	B. C. E.	'96	Professor, Imperial Univ...	Tientsin, China.
Drees, C. J.....	B. E. E.	'96	Member Ark. Elec. Co....	Little Rock, Ark.
Droke, G. W.....	A. M.	'80	Prof. of Math. and Astron., U. of A.....	Fayetteville.
*Droke, Lelia R.....	B. A.	'03		
	M. A.	'06		
Droke, M. Josephine.....	B. A.	'01	Teacher, Galloway College.....	Searcy, Ark.
Droke, Mary I.....	B. Mus.	'07	Teacher, High School.....	Fayetteville.
Dulaney, J. J.....	A. B.	'09	Instr., U. A.....	Fayetteville, Ark..
Duncan, W. H.....	B. L. L.	'84	Lawyer.....	Conway, Ark.
Dyer, Mallie.....	B. A.	'94		Prairie Grove, Ark.
Earle, Clara.....	B. A.	'96	Teacher, Cumberland U....	Lebanon, Tenn.
*Edminston, W. L.....	B. L. L.	'84		
Eld, Amanda A.....	B. A.	'98	Prin., Academy for Indian Girls.....	Tuskahoma, Okla.
Eld, C. J.....	B. C. E.	'96	Cons. Engr. for American Water Works & Guarant- ee Co.....	Birmingham, Ala.
Eld, G. W.....	B. M. E.	'00		
Ellis, F. W.....	B. A.	'81	Capt. U. S. Army, Ret.....	Fayetteville.
Ellis, Forest.....	A. B.	'09		Fayetteville, Ark.
Ellis, J. R.....	B. E. E.	'03		
	B. C. E.	'08	2d Lieut. U. S. Army.....	San Francisco, Cal.
Ellis, W. Y.....	B. E. E.	'02	Supt. Pine Bluff Electric Ry. Co.....	Pine Bluff, Ark.
England, W. W.....	B. A.	'83		
Erwin, T.....	B. S.	'00	Assoc. Prof. of Hort., Iowa A. & M. College.....	Ames, Ia.
Evins, Sallie D.....	B. A.	'07		
Feathers, J. E.....	B. C. E.	'07		Fayetteville.
Feild, W. T.....	B. M. E.	'06	Inst. M. E. Dept. and Stu- dent, U. of A.....	Fayetteville.
*Filmore, C. R.....	B. S.	'99		
Fishback, L. F.....	B. S.	'89	Lawyer.....	Ft. Smith, Ark.
Floyd, J. C.....	B. A.	'79	Member of Congress.....	Yellville, Ark.
Flynn, W. M.....	B. A.	'88		
Ford, D. L.....	A. B.	'09		

*Deceased

Name.	Degree.	Year.	Occupation.	Address.
Foreman, C. D.	B. S. A.	'06	Farmer.	Chelsea, Okla.
Freeman, W. A.	B. S.			
	B. A.	'01	Engineer, U. P. R. R.	Green River, Wyo.
Fry, J. E.	B. C. E.	'08	Cons. Engr.	Pine Bluff, Ark.
Galloway, J. R.	B. A.	'02		
Galloway, Rowena M.	B. A.	'02	Inst. Prep. Dept. U. of A.	Fayetteville.
Gardner, J. W.	B. A.	'06	Prin. Paris H. S.	Paris, Ark.
Gates, D. A.	B. L.			
	B. A.			
	B. L. L.	'84	Chief of Revenue Agents. . .	Washington, D. C.
Gibson, F. I.	B. S.	'02	Chemist, So. Cotton Oil Co.	Savannah, Ga.
Gibson, J. E.	B. M. E.	'94	Ass't Eng. Am. Pipe Co. . .	Philadelphia, Pa.
Gibson, R. C.	A. B.	'09		Berryville, Ark.
Gibson, Ruby.	A. B.	'09		Pine Bluff, Ark.
Gibson, W. B.	A. B.	'09		Berryville, Ark.
Goodwin, W. P. . . .	B. L. L.	'84		
*Gordon, Belle E. . .	B. A.	'76		
Grant, J. R.	B. A.	'08		Dover, Ark.
Gray, W. D.	B. A.	'00	Instructor in Latin, Smith College.	Northampton, Mass.
Greathouse, Ollie. . .	A. B.	'09		Fayetteville, Ark.
Greaves, C. D.	B. A.	'83	Lawyer.	Hot Springs, Ark.
Gregg, A. S.	B. A.	'78	Physician.	Fayetteville.
*Gregg, A. W.	B. A.	'76		
Gregg, Edna.	B. Mus.	'04	Private Teacher.	Little Rock, Ark.
Gregg, L. W.	B. A.	'82	Ass't Dist. U. S. Atty.	Ft. Smith, Ark.
Grubbs, J. M.	B. A.	'05		
	L. I.	'05	Lawyer.	Stillwater, Okla.
Grubbs, W. W.	A. B.	'09		
Hall, C. E.	B. C. E.	'93	With D. & R. Ry. Co.	Dardanelle, Ark.
Hall, H. J.	L. I.	'87		
	B. A.	'94	Editor	Waldron, Ark.
Hamilton, W. J.	L. I.	'91		
	B. A.	'92	Merchant.	Hartford, Ark.
Hardin, Lena J.	L. I.	'92		
	B. A.	'02		Fayetteville.
Hardin, Nina V.	B. A.	'02		
	M. D.	'05	Physician.	Fayetteville.
Harding, A. M.	B. A.	'04	Adj. Prof. Math., U. of A.	Fayetteville.
Harding, C. T.	B. C. E.	'06	Burns & McDonnell.	Kansas City, Mo.
Harding, V. A.	B. C. E.	'07	Inst. E. E. Dept., U. of A.	Fayetteville.
Harris, Agnes.	B. A.	'76	Mrs. W. T. Johnson.	Kansas City, Mo.
Harris, Sara F.	B. A.	'76	Mrs. C. P. Conrad.	
Harris, W. M.	B. A.	'03	Lawyer.	Little Rock, Ark.
*Harrison, Grace.	B. S.	'89	Mrs. T. L. Brown.	
Harrod, J. H. . . .	B. A.	'79	Lawyer.	Little Rock, Ark.
Hart, J. C.	B. A.	'85	Associate Justice Supreme Court.	Little Rock, Ark.
Hatcoat, M. A.	B. A.	'08	Teacher.	Yellville, Ark.
Hawkins, F. C.	A. B.	'09	Inst., Drury College.	Springfield, Mo.
Hawkins, J. T. . . .	B. L. L.	'77	Physician.	Mount Holly, Ark.

*Deceased.

Name.	Degree.	Year.	Occupation.	Address.
Head, J. D.....	B. A.	'94	Lawyer	Texarkana, Ark.
Heberly, J. A.....	B. S.	'93		Germany.
Hedick, I. G.....	B. C. E.	'92	Cons. Engr	Kansas City, Mo.
Henderson, G. D.....	B. A.			
	B. L. L.	'01	Lawyer	Little Rock, Ark.
Hervey, W. R.....	B. S.	'90	Pres. Am. Nat'l Bank	Los Angeles, Cal.
Hight, W. C.....	B. C. E.	'08	C. M. & St. P. Ry	Chicago, Ill.
Hillis, A. W.....	B. L. L.	'84	Lawyer	Lake City, Ark.
Hillman, C. C.....	B. S.	'07	Med. Student, Johns Hop-	
			kins Univ.	Baltimore, Md.
Hixson, H. G.....	B. C. E.	'09	Frisco Ry	Monett, Mo.
*Hobbs, J. H.....	B. A.	'88		
Hobbs, W. D.....	B. A.			
	L. I.	'99		
	B. S.	'01	War Dept Bldg.....	Washington, D. C.
Holcomb, Cener.....	L. I.	'90		
	B. A.	'92	Mrs. E. F. Ellis.....	Fayetteville.
Holcomb, Jobelle....	B. A.	'98	Dean of Women, and Adj.	
			Prof. of Eng., U. of A....	Fayetteville.
Holland, W. C.....	B. A.	'06	Druggist.....	Greenwood, Ark.
Holt, F. W.....	B. A.	'03	Ass't Paymaster, U. S. N.,	
			Bureau of Supplies and	
			Accts., Navy Dept.....	Washington, D. C.
Holt, J. S.....	B. A.	'07	Law Student, U. of Va....	Charlottesville, Va.
Holt, R. E.....	B. A.	'08	Law Student, U. of Va....	Charlottesville, Va.
Holtzclaw, H. H.....	B. S. A.	'09	Inst., Univ. of Ark.....	Fayetteville, Ark.
Hon, Daniel.....	B. A.			
	M. A.	'82	Circuit Judge.....	Waldron, Ark.
Honnett, A. M.....	B. E. E.	'03	Engineering Supplies and	
			Mfrs.' Agt.....	329-330 Frisco Bldg
				St. Louis, Mo.
Hooper, Lillian G....	B. Mus.	'06		Fayetteville.
Hornor, J. L.....	B. A.	'00	Lawyer.....	Helena, Ark.
Horsfall, F.....	B. S.	'00	Horticulturist, Mo. State	
			Fruit Exp. Station.....	Mountain Grove,
				Mo.
Horton, S. A.....	B. A.	'91	Prin. of City School.....	Houston, Tex.
House, J. W., Jr.....	B. A.	'07	Law Student, Columbia U..	New York City.
Howell, Edward.....	B. A.	'01	Lawyer.....	Shawnee, Okla.
Howell, J. W.....	B. L. L.	'85	Mgr. Ark. Cotton Oil Co.	
			Plant.....	Ft. Smith, Ark.
Howell, Willey.....	B. S.	'97	Capt. 6th U. S. Infantry...	Ft. Leavenworth,
				Kan.
Hudgins, J. G.....	L. I.	'05		
	B. A.	'05	Teacher.....	Fayetteville.
Hudgins, W. H.....	B. C. E.	'01	Ass't Engr. S. P. Ry. Co....	San Francisco, Cal.
Hudson, J. H.....	B. L. L.	'81		
Hughes, L. C.....	B. S.	'07		
	B. A.	'08		Fayetteville.
Huie, R. W.....	B. A.	'99	Banker	Arkadelphia, Ark.
Humphreys, G. A.....	B. A.	'90	Physician.....	New York City.

*Deceased.

Name.	Degree.	Year.	Occupation.	Address.
Hunt, H. G.	B. A.	'06	Law Student, U. of Mo.	Columbia, Mo.
Hurst, G. A.	B. A.	'06	Member Gen. Assembly	Fayetteville.
Hurt, Garland	A. B.	'09		
Hyatt, R. F.	B. Ch. E.	'07	Cadet, U. S. Military Ac.	West Point.
Irby, A. S.	B. A.	'05	Lawyer	Black Rock, Ark.
Jacks, M. E.	B. S.	'06	Chemist	Bisbee, Ariz.
Jackson, B. O.	B. A.	'05	Merchant	Hamburg, Ark.
James, J. J.	B. A.	'06	Adj. Prof. of Ancient Lan- guages, U. of A.	Fayetteville.
James, J. I.	B. A.	'08	Teacher	Carlisle, Ark.
Jeffries, A. J.	B. A.			Little Rock, Ark.
Jeffries, S. S.	B. A.	'05	Ass't Postmaster	Clarendon, Ark.
Jennings, E.	B. A.	'77		Pittsburg, Kan.
Jernigan, Wm. J.	A. B.	'09	Inst. A. U.	Fayetteville, Ark.
Johnson, A. J.	B. A.	'07	Member Ark. State Senate	Star City, Ark.
Johnson, A. P.	B. A.	'76		
Johnson, D. A. E.	B. A.	'08	Member Gen. Assembly	Paris, Ark.
*Johnson, T. M.	B. L. L.	'80		
Johnston, J. H.	B. S. A.	'06	Florist	Little Rock, Ark.
Jones, C. W.	B. S.	'05		
Jones, G. F.	B. A.	'08	Member Ark. Gen. Assem.	Frank, Ark.
Jones, Gustave	B. L. L.	'82	Lawyer, Member Board of Trustees, U. of A.	Newport, Ark.
Jordan, Grace	B. A.	'05		Forrest City, Ark.
Keeney, A. R.	B. Mus.	'06	Mrs. Guy Phillips	Fayetteville.
Ketchum, Annie	A. B.	'09		
Kimball, G. H.	B. C. E.	'02	Sec. Queen of Ark. Ins. Co.	Little Rock, Ark.
King, Artelle A.	B. L. L.	'80	Mrs. J. C. Belt	
Kinsworthy, E. B.	B. L. L.			
	B. L.	'85	Lawyer	Little Rock, Ark.
Kirby, F. B.	B. A.	'99	Physician	Harrison, Ark.
Kitchens, B. M.	B. A.	'05	Merchant	Paragould, Ark.
Kitchens, T. B.	B. A.			
	M. A.	'80	Sec. Paragould Ins. Co.	Paragould, Ark.
Knott, V. P.	B. C. E.	'04	Assoc. Prof. of C. E. U. of A.	Fayetteville.
Kunz, E. H.	B. A.			
Lake, Ella	B. L. L.	'84	Mrs. S. W. Barnett	
Lander, R. S.	B. C. E.	'02		
	C. E.	'05		Galena, Ill.
Langford, B. W.	B. A.	'04	Bookkeeper for Fox Bros. Hardware Co.	Pine Bluff, Ark.
Langford, W. H.	B. A.	'80	Banker	Pine Bluff, Ark.
Langford, Wm. H.	B. A.	'08		Vilonia, Ark.
Lanier, J. A. M.	B. A.			Springfield, Mo.
Lark, W. H.	B. C. E.	'05	Ass't Engr. Imp. Dist. Work	Little Rock, Ark.
Leeche, Mary M.	B. Mus.			
Legato, R. H.	B. S.	'05	Student, Yale University	
Leverett, Abbie	B. A.	'94	Mrs. J. H. Taff	Marfa, Texas.
Leverett, E. V.	B. M. E.	'04	Supt. City Elec. Lt. Plant	Bentonville, Ark.

*Deceased.

Name.	Degree.	Year.	Occupation.	Address.
Leverett, Mary.....	B. A.	'86	Mrs. J. A. Taff.....	2002 Franklin St., N. E., Washing- ton, D. C.
Leverett, Rose C....	B. A.	'97	.....
Leverett, S.....	B. S.	'06	.....	Magdalena, Mexico
Leister, L. B.....	A. B.	'09	.....
Lipsey, D. B.....	B. S.	'96	Merchant.....	Fayetteville.
Locke, J. M.....	B. C. E.	'08	Engr. for Midland Valley Ry.....	Muskogee, Okla.
Longino, J. L.....	B. E. E.			
	B. M. E.	'03	.....	Canfield, Ark.
Lueker, C. G.....	B. A.	'08	Farmer.....	Naravisa, N. M.
Machen, Jewell.....	A. B.	'09		
Mahoney, J. K.....	B. A.	'07	Lawyer.....	El Dorado, Ark.
Marrs, S. E.....	B. A.	'79	Editor Democrat.....	Fayetteville.
Marshall, J. C.....	B. A.			
	M. A.	'79	Lawyer.....	Little Rock, Ark.
Martin, M.....	B. M. E.	'91		
	M. E.	'93	Prof. of Mech. Eng., Wash. Agr. College.....	Pullman, Wash.
Martineau, J. E.....	B. A.	'96	Judge of Chancery Court..	Little Rock, Ark.
Mashburn, E. E....	B. C. E.	'07	Madeira-Mamore Ry. Co.	Mannos, Brazil.
Massie, J. C.....	B. A.	'77	Wool Grower.....	Alzada, Mont.
Mayes, J. F.....	B. A.	'83	U. S. Marshal, W. Dist. of Arkansas.....	Ft. Smith, Ark.
McAlester, E. W....	B. E. E.	'04	With Gen. Elec. Co.....	Schenectady, N. Y.
McCain, W. R.....	M. A.	'98	Fire Insurance.....	Fordeyce, Ark.
McConnell, J. E.....	B. A.	'07	Minister.....	Prairie Grove, Ark.
McConnell, J. L....	B. C. E.	'02	Supt. of Const., Sargent & Lunday Co.....	Chicago, Ill.
McCrary, G. G....	B. C. E.	'06	Civil Engineer.....	Birmingham, Ala.
McCulloch, D.....	B. A.	'07	Law Student, U. of Va....	Charlottesville, Va.
McCulloch, H.....	B. A.	'08	Med. Student, Johns Hop- kins University.....	Baltimore, Md.
McDonough, J. B....	B. A.	'82	Lawyer.....	Ft. Smith, Ark.
McFarlane, R. W....	B. A.	'82		
	M. A.	'84	Lawyer.....	Greenwood, Ark.
McGehee, A., Jr....	B. A.	'03	Lawyer.....	Little Rock, Ark.
McGehee, B.....	B. C. E.	'05	Cons. Engineer.....	Little Rock, Ark.
McKinney C. S.....		'75	.....	St. Louis, Mo
McMillan, Della...	B. Mus.	'05	Mrs. B. O. Jackson.....	Hamburg, Ark.
*McNeeley, J. C....	B. C. E.	'89		
McNeill, D. A....	B. M. E.	'97		
McNemer, Phil.....	A. B.	'09	.....	Little Rock, Ark.
McNiel, R. A.....	B. C. E.	'09	Student, Univ. of Ill.....	
McRae, C.....	B. C. E.	'01	Lumber Merchant.....	Mt. Holly, Ark.
Means, E. D.....	B. A.	'00	Supt. Schools.....	Pocahontas, Ark.
Mehaffey, J. W.....	A. B.	'09	.....	Little Rock, Ark.
Mellete, W. M.....	B. L.	'77	Attorney.....	Muskogee, Okla.
Melton, Hattie C....	B. A.	'03	Mrs. M. L. Cotton.....	Stigler, Okla
Middleton, Mai.....	B. A.	'86	Mrs. Robert Chasteen....	Pawnee, Okla.

*Deceased.

Name.	Degree.	Year.	Occupation.	Address.
Middleton, R. J.	B. C. E.	'03	Ass't Engr. C. M. & St. P. Ry.	Chicago, Ill.
Miller, Myrtle.	A. B.	'09		Fayetteville, Ark.
Milum, R. W.	A. B.	'04		Harrison, Ark.
Mitchell, Ara.	A. B.	'09		Fayetteville, Ark.
Mitchell, S. B.	A. B.	'09	Chemist, Agaunico Mines Development Co.	Dubuque, Iowa.
Mitchell, B., Jr.	B. M. E.	'07	Adj. Prof. M. E., U. of A.	Fayetteville.
Mitchell, N. D.	B. C. E.	'08	Student, Univ. of Ill.	Champaign, Ill.
Mitchell, S. A.	B. A.	'03	Lawyer, Mo. Trust Bldg.	St. Louis, Mo.
Miser, H. D.	B. A.	'08	Field Geologist.	Fayetteville.
Miser, W. L.	B. A.	'08	Principal of H. S.	Portland, Ark.
Mobberly, H. P.	B. C. E.	'94	Cons. Engr.	Springfield, Mo.
Mock, E. L.	B. A.	'94	With Wm. D. Cleveland & Sons.	Houston, Tex.
Mock, L. Byrd.	B. A.	'94		
	M. A.	'05	Journalist.	St. Louis, Mo.
Moore, B. L.	B. A.	'81		
	L. I.	'07	Teacher.	Warren, Ark.
Moore, G. J.	A. B.	'09		Little Rock, Ark.
Moore, Henrietta.	B. A.	'07		
Moore, J. F.	B. S.	'93	Merchant.	Fayetteville.
Moore, J. H.	B. S.	'93	Chemist, Mathieson Alkali Works.	Saltville, Va.
Moore, J. I.	B. A.	'81	Lawyer.	Helena, Ark.
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Moore, Lucy J.		'75	Mrs. J. G. Ross	Fayetteville.
Moore, S. W.	B. A.	'08	Inst. Prep. Dept., U. of A.	Fayetteville.
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Morrow, D. C.	B. E. E.	'97	Local Mgr. United Iron Works Co.	Iola, Kan.
Morrow, H. E.	B. S. A.	'04	Adj. Prof. Chem., U. of A.	Fayetteville.
Morrow, Mattie M.	B. S.	'90	Mrs. J. D. Wilson.	Fayetteville.
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Nunn, Lucy.	A. B.	'09		
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Oats, T. F.	B. A.	'82		
Obenshain, Ora.	B. S.	'89	Teacher	Eureka Springs, Ark.
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Patton, Alice L.	B. L.	'77		
	B. A.	'78		
	M. A.	'79	Teacher.	Fayetteville.
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Payne, B.	B. A.	'06	Stenographer, Williams Coal Co.	McHenry, Ky.
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Pharr, H. N.	B. C. E.	'93		
	C. E.	'00	Cons. Engr.	Memphis, Tenn.
*Pharr, J. S.	B. A.	'92		
Philbeck, R. E.	B. A.	'00	Inst. Prep. Dept., U. of A.	Fayetteville.
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Pope, N. P.....	B. S.	'05		
Powell, W. W.....	B. A.	'88		
Pratt, D. H.....	B. S.	'06		Fayetteville.
Pratt, F. H.....	B. C. E.	'05	Banker.....	Kansas, Okla.
Price, C. G.....	B. A.	'98	Gen. Agt. Union Central Life Ins. Co.....	Little Rock, Ark.
Pritchett, F. A....	B. C. E.	'08	City Engineer's Office.....	Memphis, Tenn.
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Pugh, Anna.....	L. I.	'06		
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Reed, G. W. M., Jr.	B. L. L.	'84	Atty., Sec. of Interior....	Washington, D. C.
Reed, K. A.....	B. E. E.	'07		Norwood, Ohio.
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*Reed, Maggie.....	B. A.	'78	Mrs. Presley Crawford.	
Remy, Mollie.....	B. A.	'96	Mrs. S. C. Treadwell.....	Tishomingo, Okla.
Revel, J. W.....	B. S. C.	'09		Augusta, Ark.
Reves, C. M.....	A. B.	'05	Prin. Public Schools.....	Corning, Ark.
Rhodes, C. R.....	B. E. E.	'09		Osceola, Ark.
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Ross, J. H.	B. S.	'08	Secretary Y. M. C. A.	Dallas, Tex.
Ross, Lucy I.	B. A.	'01		
*Ross, T. C.	B. A.	'80		
Ross, W. A.	B. A.	'98	-Missionary	Linaires, N.L., Mex.
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Russell, F.	B. S.	'09	Prof. of Science L.R.H.S.	Little Rock, Ark.
Russell, L.	B. A.	'80		
Sadler, C. L.	B. C. E.	'01	Topog. U. S. G. S.	Washington, D. C.
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Sanders, C. F.	B. A.	'99	Editor Sentinel-Record	Hot Springs, Ark.
Sanders, Lucy E.	B. A.	'08		Fayetteville.
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*Simonds, Alice	B. S.	'96	Mrs. A. V. Smith	
Skelton, G. M.	B. S.	'07		
Skelton, G. V.	B. C. E.	'91		
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Spencer, E. L.....	A. B.	'98
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Sowers, Gracey.....	B. A.	'08	Teacher.....	Portland, Ark.
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Stockton, Irene G....	B. A.	'06	Little Rock, Ark.
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Stone, J. H.....	B. S.	'06	Pine Bluff, Ark.
Streepey, J. P.....	B. A.	'03
	L. I.	'03
	B. L. L.	'06	Lawyer.....	Little Rock, Ark.
Stroup, Henry.....	B. A.	'83	Planter and Contractor....	Paris, Ark.
Stubblefield, Demie.T.	L. I.	'99
	B. A.	'01	Kansas City, Mo.
Stubblefield, G....	B. C. E.	'02	Cons. Engr.....	Portland, Ore.
Sutton, Mabel.....	B. A.	'02	Mrs. A. W. Wasson.....	Songdo, Korea.
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Taber, H. B.....	B. A.	'07	Ft. Smith, Ark.
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Taff, J. L....	B. A.	'84	Mgr. Teachers' Ass'n....	Austin, Tex.
Taff, Mary.....	B. A.	'89	Mrs. G. V. Skelton.....	Corvallis, Ore.
Taliferro, Lou.....	B. L. L.	'83
Taylor, D. W.....	B. A.	'00	Lawyer.....	Little Rock, Ark.
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Taylor, Rupert.....	B. A.	'03	Graduate Student, Colum- bia University.....	New York City.
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Tidball, Nell	B. A.	'07		
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Towler, G. F.	B. A.	'00		
Townsley, F. P.	B. S.	'07		
	B. E. E.	'08		Little Rock, Ark.
Treadway, T. C.	B. E. E.	'01		
	E. E.	'04	Vice-Pres. Treadway Elec. Co.	Little Rock, Ark.
Treadway, W. A.	B. E. E.	'00		
	E. E.	'01		
	B. M. E.	'03	Pres. Treadway Elec. Co.	Little Rock, Ark.
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Waggener, Annie M.	B. L.	'77	Mrs. G. W. Marques.	Summers, Ark.
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Webster, Olive S.	B. A.	'01		Marvell, Ark.
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Weld, Jean G.	B. A.	'07		Marianna, Ark.
Wheeler, J. N.	B. A.	'90		Warren, Ark.
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	B. S. A.	'05	Lawyer.	Hampton, Ark.
Wiggins, J. C.	B. C. E.	'08	Surveyor.	Roswell, N. M.
Wiley, Pearl E.	B. S.	'02	Teacher of Science in H. S.	Booneville, Ark.
*Wiley, Winona M.	B. A.	'99		
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Williams, Beulah.	B. A.	'05	Mrs. H. B. Van Valken- burgh, Missionary.	Kashing, China.
Williams, C. X.	L. I.	'02		
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Wilson, C. P.	B. S. A.	'06	Student, Univ. of Pa.	Philadelphia, Pa.
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Wilson, J. M.	B. S.	'07	Acting Prof., U. of A.	Fayetteville
Wilson, J. R.	B. A.			
	L. I.	'04		
	LL. B.	'06	Lawyer.	Warren, Ark.
Wilson, Nellie C.	B. A.	'06		Ft. Smith, Ark.
Wilson, W. O.	L. I.	'01		
	B. S.	'04	Teacher, Ark. State Normal.	Conway, Ark.
Winfrey, L. E.	A. B.	'09		Rudy, Ark.
Winters, W. L.	B. C. E.	'06		Ft. Smith, Ark.
Womack, J. P.	L. I.	'02		
	B. A.	'03	Principal Stephens H. S.	Stephens, Ark.
Wood, A. C.	B. M. E.	'92	Cons. Mech. Engr.	Philadelphia, Pa.
Wood, B. F.	B. E. E.	'93	Ass't Engr. Motive Power, Pa. Ry. Co.	Altoona, Pa.
Wood, C. D.	B. A.	'79	Assoc. Justice Supreme Court.	Little Rock, Ark.
Wood, C. F.	B. C. E.	'04	Real Estate Broker.	Ft. Smith, Ark.

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Wood, J. S.....	B. S. C.	'07	Cadet, U. S. Military Acad.	West Point.
Wood, O. S., B. S. in C. E..		'08	2nd Lieut., U. S. Army, Ft. Logan H. Roots.....	Little Rock, Ark.
Wood, J. P.....	A. B.	'09	.....	.....
Woodall, W. H.....	B. A.	'85	.....	.....
Woodson, E. F....	B. C. E.	'08	.....	Fayetteville.
Woodruff, C. H.....	B. A.	'08	Ass't Prin. H. S.....	Sapulpa, Okla.
Woolverton, C. D. B. L. L.		'85	.....	.....
Wootton, L. L.....	A. B.	'09	Executive Clerk, Agr. Exp. Station.....	Fayetteville.
York, J. O.....	A. B.	'07	.....	Harrison, Ark
Young, Daisy.....	A. B.	'00	Univ. of Mo.....	Columbia, Mo.
Yowell, J. G.....	B. S. A.	'09	.....	.....

Alphabetical List of Officers and Students of the Departments at Fayetteville.

Abbreviations.—*Adj. Prof.*, Adjunct Professor; *Assoc. Prof.*, Associate Professor; *C.*, Conservatory of Music and Arts; *Fr.*, Freshman; *Gr.*, Graduate; *Instr.*, Instructor; *Jr.*, Junior, 2 P., Second Year Preparatory; *Prof.*, Professor; *Sh. E.*, Short Course in Engineering, *So.*, Sophomore, *Sp.*, Special, *Sr.*, Senior; *Un.*, Unclassified. For students by classes, see p. 215, *et seq.* For officers, see p. 5, *et seq.*

Abbott, T. O., Jr.	Barton, Mary Garland, 2 P.	Boals, E. H., Fr.
Abeles, J. T., Fr.	Barton, D. R., Jr.	Boles, A. P., Instr.
Achenbach, Chas. H., Fr.	Barton, H. W., So.	Boles, C. B., Sr.
Adams, Dr. C. F.,	Bateman, Mrs. Mary C.,	Bowen, Mary A., C.
Director Exp. Sta.	Instr. Music.	Boyd, Frances L., 2 P.
Adams, Helen, C.	Bates, Mary M., 2 P.	Bozarth, Gladys, C.
Adams, R. E., So.	Baxendale, J., Jr.	Bradford, C. G., Jr.
Adams, Wm. H., Fr.	Baxter, E. R., 2 P.	Bradford, W. C., 2 P.
Agee, Polk W., Fr.	Bayley, Paul L., So.	Bradford, W. E., Fr.
Alcorn, M. O., Jr.	Beal, R. K., So.	Bradford, Wm. H., Fr.
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Allen, Annie, Sp.	Beard, Roberta M., 2 P.	Bradley, L. D., So.
Allen, Ben F., Jr.	Beardsley, J. M., Jr.	Bragg, P. N., So.
Allen, Clay, Fr.	Beck, R. W., 2 P.	Brannon, L. H., Sr.
Allen, Nina I., 2 P.	Bell, Mabel C., C.	Bransford, W. H., Fr.
Alphin, J. H., Jr.	Benton, S. W., 2 P.	Bray, Ernest R., 2 P.
Ambrose, Roscoe, 2 P.	Berry, J. N., Sh. E.	Brennan, Dorothy K., 2 P.
Ambrose, W. H., So.	Bezdek, Hugo, Ath. Dir.	Brennan, Mildred F., Fr.
Anderson, E. J., Sh. E.	Bilyeu, R. A., Fr.	Brerton, Mabel B., Fr.
Anderson, Louis I., 2 P.	Binkley, R. J., Jr.	Brewer, M. H., So.
Armstrong, Roy B., 2 P.	Black, Jewell H., Fr.	Brewer, O. C., Jr.
Armitage, J. G., So.	Black, L. G., Jr.	Bridges, Peter M., Sh. E.
Ashley, J. C., Jr.	Blackford, Mary, So.	Briggs, G. C., 2 P.
Atkinson, E. R., Fr.	Blacklock, C. E., Fr.	Brodie, Philip H., So.
Atkinson, J. H., Sr.	Blacklock, I. W., Sr.	Brough, C. H., Prof.
Atkinson, Wm. H., Fr.	Blackshare, E. D., Sp.	Brown, C. H., 2 P.
Austin, Mary Louise, 2 P.	Blackshare, Jennie L., So.	Brown, C. J., Jr.
Austin, Mrs. M. L., Libr.	Blackshare, Lena E., So.	Brown, Epps, 2 P.
Austin, R. M., So.	Blackshare, Lochie D., Fr.	Brown, Geo., 2 P.
Bagley, Henry S., Jr.	Blakeley, G. T., Jr.	Browning, J. M., 2 P.
Bailey, Pat W., Sr.	Blakeley, L. R., So.	Bruce, W. M., Prof.
Baker, L. S., Sh. E.	Blair, J. H., Sr.	Bryan, Cecil, 2 P.
Baker, Rufus K., So.	Blair, S. T., Sr.	Bryan, Frank, Jr.
Ball, S. M., 2 P.	Blakemore, W. A., Jr.	Bryan, J. A., Jr., Jr.
Banta, Katherine, 2 P.	Blake, E. M., Instr.	Bryant, Wm. P., Fr.
Barr, Frank, Band In-	Blako, T., Instr.	Buckley, S. S., Fr.
structor.	Bland, Rose, Instr.	Buckley, V. B., Jr.
Barrett, A. J., Sr.	Bledsoe, J. L., Sr.	Buerkle, J. G. A., 2 P.
Barry, Edna, 2 P.	Bledsoe, Leona A., Fr.	Bunch, Wm. L., 2 P.
Barry, Wm. T., Fr.	Bloom, S. N., So.	Burkhalter, L. R., 2 P.

Burnside, Aurelle, <i>Jr.</i>	Collins, A. J., <i>Fr.</i>	Davis, Raymond L., <i>Sr.</i>
Burns, Eunice, <i>Matron</i>	Collins, Alice G. C.,	Davis, Robt. Lee, <i>Fr.</i>
Burrow, Emma Gene, <i>Fr.</i>	Collins, Frances N., 2 <i>P.</i>	Davis, Vest, <i>Fr.</i>
Burrow, F. Elizabeth, <i>Jr.</i>	Collins, J. H., <i>So.</i>	Davis, W. C., <i>So.</i>
Butler, Mary Lucy, 2 <i>P.</i>	Compton, Helen, <i>C.</i>	Davison, D. N., <i>Fr.</i>
Butler, Vohl, <i>Fr.</i>	Conatser, R. C., <i>So.</i>	Dean, H. W., <i>Instr.</i>
Caldwell, Edw. A., 2 <i>P.</i>	Conner, Verla L., <i>C.</i>	Deane, Madeline A., <i>So.</i>
Campbell, Geo. M., <i>Fr.</i>	Cook, E. T., 2 <i>P.</i>	Decker, Kivkicia L., <i>Fr.</i>
Campbell, Sylvester J., <i>Sr.</i>	Cook, Jas. D., <i>So.</i>	DeLongey, H. C., <i>Sr.</i>
Cannon, Margaret, <i>C.</i>	Cooke, Katie D., <i>Instr.</i>	Derden, J. H., <i>Fr.</i>
Cantrell, W. T., <i>Fr.</i>	Cooper, Joe W., <i>Fr.</i>	DeRoulhac, J. B., <i>Fr.</i>
Carden, Wm. M., <i>Jr.</i>	Cooper, R. R., 2 <i>P.</i>	DeWitt, Frances, <i>Sr.</i>
Carnall, Bess E., <i>Gr.</i>	Corbell, O. M., <i>So.</i>	Dickinson, B. F., <i>Sr.</i>
Carnes, Grover, <i>Fr.</i>	Cotham, Ruby, <i>Sr.</i>	Dickinson, J. A., <i>So.</i>
Carnes, Mary G., <i>Jr.</i>	Cottrell, T. N., <i>Fr.</i>	Dickinson, R. V., 2 <i>P.</i>
Carothers, Neil, <i>Assoc. Prof.</i>	Couch, Nelle S., <i>Jr.</i>	Dickson, D. B., <i>Fr.</i>
Carothers, Stuart W., <i>Fr.</i>	Council, B. P., <i>Fr.</i>	Dillard, Minnie A., <i>Fr.</i>
Carroll, Chas. G., <i>Prof.</i>	Coward, Lillie B., <i>So.</i>	Dinwiddie, Jas. A., <i>Fr.</i>
Carroll, J. C., 2 <i>P.</i>	Coyle, Norman, <i>Sr.</i>	Dinwiddie, R. R., <i>Prof.</i>
Carruth, R. H., <i>Jr.</i>	Crawford, H. V., <i>Sr.</i>	Dodson, H. C., <i>So.</i>
Carter, Bess, <i>Jr.</i>	Crawford, Maude M., <i>C.</i>	Doherty, J. E., <i>Fr.</i>
Carter, Geo. B., 2 <i>P.</i>	Creekmore, S. W., <i>Jr.</i>	Donaldson, H. P., 2 <i>P.</i>
Carter, Lieut. R. D., <i>Comdt.</i>	Crippin, Orilla, 2 <i>P.</i>	Dorough, W. T., <i>Jr.</i>
Carter, Nama, <i>Sr.</i>	Crippin, W. T., <i>Engr.</i>	Dorr, C. G., <i>Fr.</i>
Carter, Ollie, <i>So.</i>	Crockett, Willie V., <i>Eloc.</i>	Dortch, G. L., <i>So.</i>
Carter, Von, 2 <i>P.</i>	Crossland, L. E., <i>C.</i>	Dotson, Katie E., <i>Fr.</i>
Carter, Witt, <i>Sh.E.</i>	Crownover, C. E., 2 <i>P.</i>	Douglas, A. M., <i>Jr.</i>
Case, Georgia I., 2 <i>P.</i>	Croxdale, E. T., 2 <i>P.</i>	Douglas, C. H., <i>Jr.</i>
Case, H. N., <i>Sh.E.</i>	Croxdale, E. W., 2 <i>P.</i>	Dowell, A. S., <i>Fr.</i>
Casey, W. B., <i>Fr.</i>	Croxdale, Ressie W., <i>So.</i>	Droke, A. H., <i>Jr.</i>
Cates, Allen, 2 <i>P.</i>	Croxson, Wm. J., 2 <i>P.</i>	Droke, G. W., <i>Prof.</i>
Catts, Mary E., <i>Fr.</i>	Cunningham, O. H., <i>Fr.</i>	Droke, Josephine M., <i>Gr.</i>
Caudle, R. D., <i>So.</i>	Curl, J. L., <i>Fr.</i>	Drover, W. H., <i>Fr.</i>
Caudle, T. A., 2 <i>P.</i>	Curl, May, <i>Sr.</i>	DuLaney, J. J., <i>Instr.</i>
Chambers, T. H., 2 <i>P.</i>	Cypert, A. B., <i>So.</i>	Duckworth, W. E., <i>Instr.</i>
Chandler, P. E., <i>Jr.</i>	Daniel, Fannie, 2 <i>P.</i>	Duncan, Isabelle, 2 <i>P.</i>
Chancey, H. H., <i>Sh.E.</i>	Daniel, Wm. E., 2 <i>P.</i>	Duncan, W. W., <i>Fr.</i>
Cheek, Ben, <i>Sh.E.</i>	Daugherty, L. D., 2 <i>P.</i>	Dunn, B. J., <i>Prof.</i>
Cheever, E. H., <i>Fr.</i>	Davis, A. C., <i>Gr.</i>	Dyer, C. L., <i>Fr.</i>
Cheever, Louise, <i>Sr.</i>	Davis, Brickel, 2 <i>P.</i>	Dyer, Rebecca, <i>So.</i>
Cherry, J. L., <i>Fr.</i>	Davis, Carl G., <i>Sr.</i>	Eagle, Hugh, <i>Sp.</i>
Childress, Mary V., <i>Sr.</i>	Davis, Chas. M., <i>Fr.</i>	Eagle, J. D., <i>So.</i>
Chryst, Mary, 2 <i>P.</i>	Davis, Dora Lucile, 2 <i>P.</i>	Eakin, Mary E., <i>So.</i>
Chynoweth, R. I., <i>Sh.E.</i>	Davis, Grace, <i>C.</i>	Eason, A. A., <i>Sh.E.</i>
Clark, E. H., 2 <i>P.</i>	Davis, H. A., <i>Sp.</i>	Eason, H. E., <i>Sr.</i>
Clark, Madison D., 2 <i>P.</i>	Davis, John, <i>Sp.</i>	Eddy, Chas. H., 2 <i>P.</i>
Clark, R. T., 2 <i>P.</i>	Davis, Lucy, <i>C.</i>	Eidson, E. Victoria, <i>C.</i>
Cochrane, Pearl, <i>So.</i>	Davis, Mabel A., <i>C.</i>	Eidson, Sallie M., 2 <i>P.</i>
Coffey, Ruby, <i>So.</i>	Davis, Mary A., <i>Instr.</i>	Ellington, Orin, 2 <i>P.</i>
Cole, K. E. N., <i>Sr.</i>	Davis, Olga, <i>Sr.</i>	Ellington, T. E., <i>Sp.</i>
Cole, L. R., <i>Jr.</i>	Davis, Opal, <i>Sr.</i>	Ellis, Earl, <i>Fr.</i>
Coleman, Nelle, <i>Gr.</i>	Davis, Rachael, <i>C.</i>	Ellis, Elizabeth, 2 <i>P.</i>

- Ellis, Forest, *Gr.*
 Ellis, George, *Sh.E.*
 Ellis, R. A., 2 *P.*
 Ellis, R. S., *So.*
 Eoff, Dennie J., *Jr.*
 Eoff, Wm. C., *So.*
 Estes, G. D., *Fr.*
 Etheridge, Hogan, 2 *P.*
 Etheridge, Pearl H., *Instr.*
 Etheridge, Y. W., *Jr.*
 Evans, D. J., *Jr.*
 Everidge, Lois, *Nurse.*
 Evans, Wm. V., *Fr.*
 Faulkner, T. H., *Fr.*
 Feldt, Louise F., *Jr.*
 Ferguson, J. A., 2 *P.*
 Files, F. W., *So.*
 Flannigan, Madeline E., *C.*
 Flinn, Heber H., *Jr.*
 Fogg, J. P., *So.*
 Fogleman, J. F., *Jr.*
 Freeman, J. D., *Jr., Sr.*
 Freeman, J. W., *Fr.*
 Freeman, T. B., *Sr.*
 Freeman, W. O., *Fr.*
 Funkhouser, Virginia E., 2 *P.*
 Futrall, J. C., *Prof.*
 Gaines, W. D., 2 *P.*
 Galbraith, Elizabeth, *Art.*
 Galloway, Jeannette, *C.*
 Galloway, Rowena Mc.,
Instr.
 Gardner, A. G., *Fr.*
 Gardner, L. H., *Y.M.C.A.*
Sec.
 Gardner, P. B., *Sr.*
 Garrison, P. E., *So.*
 Garvin, Lulu V., *Jr.*
 Gates, D. A., *So.*
 Gaughan, J. E., *So.*
 Gean, Bernard, 2 *P.*
 George, F. J., *Sr.*
 George, G. C., *Fr.*
 George, I. L., *Sr.*
 Gerig, Frank, *Fr.*
 Giddings, Jean, *C.*
 Gillespie, Virgie E., 2 *P.*
 Gillespie, Vivian, *So.*
 Gillin, E. B., 2 *P.*
 Gist, Chas. H., 2 *P.*
 Gladson, Hazel W., *Fr.*
 Gladson, Marion L., 2 *P.*
 Gladson, W. N., *Prof.*
 Goodbar, J. E., *Sr.*
 Goodner, A. B., 2 *P.*
 Goodrum, John C., *So.*
 Goodwin, R. C., *Sr.*
 Goodwin, W. L., *Jr.*
 Govan, Chas. F., *Fr.*
 Gordon, Ed., *Fr.*
 Goss, A. L., *Fr.*
 Gough, Ivor, *Sr.*
 Gow, R. M., *Instr.*
 Graham, Cynthia L., *So.*
 Graham, E. S., *Fr.*
 Graham, S. B., *Sr.*
 Gray, T. P., 2 *P.*
 Greathouse, B. F., *Fr.*
 Green, Ed. G., *Fr.*
 Green, T. A., *So.*
 Green, W. B., *Sh. E.*
 Greever, G. G., *Assoc.Prof.*
 Greever, Mrs. G. G., *C.*
 Greeg, A. W., *Sr.*
 Gregg, Mildred, *Fr.*
 Gregg, Pansy, 2 *P.*
 Greig, Anne E., *So.*
 Greig, Star, *Fr.*
 Guynes, W. M., *Jr.*
 Hackworth, P. D., 2 *P.*
 Hall, Julien, *Sr.*
 Hall, L. G., 2 *P.*
 Hall, M. G., *Jr.*
 Hall, M. Z., *Jr.*
 Hall, Sarah, *So.*
 Hall, S. L., 2 *P.*
 Hall, Virginia, *C.*
 Hall, W. L., 2 *P.*
 Hamburg, E. S., *Fr.*
 Hamilton, A. C., *Fr.*
 Hamilton, Etta L., *Fr.*
 Hardin, Aileen, *Sr.*
 Hardin, Flora, 2 *P.*
 Hargis, Mary G., *Instr.*
 Harding, Arthur M., *Adj.*
Prof.
 Harkness, Jessie, *Fr.*
 Harlan, E. T., *So.*
 Harrell, J. R., *Sp.*
 Harrell, N. M., *Jr.*
 Harrell, V. C., *So.*
 Harrill, J. E., *Sp.*
 Harrington, Marie B. *Fr.*
 Harris, Eutha, *So.*
 Harris, Fannie, May, *Fr.*
 Harris, Jas. L., *Fr.*
 Harris, Martha, *Fr.*
 Harrison, Jere, *So.*
 Hatchett, M. P., *Jr.*
 Hay, Frances Elise, *C.*
 Hayden, Ara, *C.*
 Hayden, Lois H., 2 *P.*
 Hayhurst, Paul M., *Instr.*
 Hayes, Chas. W., 2 *P.*
 Hayes, E. T., *So.*
 Hays, Elizabeth, *Fr.*
 Hemphill, Ella V., 2 *P.*
 Hennessey, W. T., *So.*
 Henry, Jack T., *Sp.*
 Herbert, H. L., *Sp.*
 Herring, Beulah, *C.*
 Herring, Willard, *C.*
 Herring, W. C., *Fr.*
 Hewitt, J. L., *Prof.*
 Highfill, H. H., *Sp.*
 Highfill, LeRoy, *Fr.*
 Highfill, R. D., *Jr.*
 Hilt, E. F., *So.*
 Hilt, Paul H., 2 *P.*
 Hilton, L. L., *Fr.*
 Hinton, J. J., 2 *P.*
 Hinton, L. E., 2 *P.*
 Hirst, C. M., *So.*
 Hobbs, Alice, *C.*
 Hodgins, Wm. B., *Fr.*
 Hogan, D. L., *Fr.*
 Hogue, Effa L., *So.*
 Holloway, C. V., *So.*
 Holt, J. B., *So.*
 Holtzelaw, H. F., *Fr.*
 Holtzelaw, H. H., *Gr.*
 Hon, Lucy, *Jr.*
 Hooper, E. K., *Sh. E.*
 Hooper, V. A., *Prof.*
 Horton, R., *Fr.*
 Huber, C. A., 2 *P.*
 Hudson, Inez, *Fr.*
 Hudson, J. H., *Fr.*
 Hudson, R. S., *Fr.*
 Huggins, Frank, 2 *P.*
 Hughes, J. T., *Jr.*
 Hughes, Martha L., 2 *P.*
 Hughey, A. B., *Jr.*
 Hulen, E. E., *Fr.*
 Hulse, L. R., *So.*
 Humphreys, F. A., 2 *P.*
 Humphreys, H. H., *Jr.*
 Hunter, L. W., *Fr.*
 Huntly, Bruce, 2 *P.*

- Huntly, P. C., *Gr. Instr.*
 Hurst, J. D., *Fr.*
 Husain, Mahomed, *So.*
 Hutchins, R. M., *So.*
 Huxtable, F. B., 2 P.
 Huxtable, W. G., *Fr.*
 Hyeatt, C. L., *So.*
 Isom, M., 2 P.
 Iward, Letha C., *Fr.*
 Jacks, R. D., 2 P.
 Jackson, Ray, *Sp.*
 Jackson, T. A., Jr., *Fr.*
 Jackson, T. L., 2 P.
 Jacobs, W. S., *Instr.*
 Jacobson, H. B., *Fr.*
 James, J. J., *Adj. Prof.*
 James, R. B., 2 P.
 Jeffrey, Neill D., 2 P.
 Jennings, D. R., *So.*
 Jernigan, W. J., *Instr.*
 Jernigan, W. J., *Gr.*
 Johnson, C. A., *So.*
 Johnson, E. L., 2 P.
 Johnson, E. R., *So.*
 Johnson, Floy, *Fr.*
 Johnson, Myrtle E., *Fr.*
 Johnston, W. D., *So.*
 Joiner, Jennie, *So.*
 Joiner, J. W., *So.*
 Jones, Curtis, *So.*
 Jones, G. W., *Fr.*
 Jones, H. A., *So.*
 Jones, Leah T., *So.*
 Jones, Otis, *Fr.*
 Jones, R. W., *Sh. E.*
 Jordan, Elizabeth W., *Instr.*
 Jordan, Floss, T., *Fr.*
 Kagy, R. H., *So.*
 Kantz, Nelle W., *So.*
 Kantz, Willie D., *So.*
 Keck, H. M., *So.*
 Keeney, Marie, *Gr.*
 Keith, A. A., *Sp.*
 Keith, W. N., 2 P.
 Kelton, Fannie, 2 P.
 Key, C. T., 2 P.
 Kidd, Clarence, *Fr.*
 Kilgore, Pearl, *So.*
 Kilpatrick, Charlotte C., *Sp.*
 Kilpatrick, Lucy L., *So.*
 Kilpatrick, Roberta, *C.*
 King, A., *So.*
 King, D. L., *So.*
 King, Garvia, 2 P.
 King, Harry, *So.*
 King, W. C., Jr.
 Kirby, A. C., *Fr.*
 Kirk, Lola, A., *C.*
 Kirk, Mabel F., *C.*
 Kittrell E. N., *Fr.*
 Knight, R. T., 2 P.
 Knighton, Nina, *So.*
 Knoch, J. J., *Prof.*
 Knott, J. E., *Fr.*
 Knott, Nola, *So.*
 Knott, V. P., *Adj. Prof.*
 Knox, R. C., *So.*
 Knox, Virginia D., *So.*
 Kunz, Gladys, *So.*
 Lackey, Minnie M., *C.*
 Ladd, Wm. M., 2 P.
 Lamberton, Annie L., *So.*
 Lamberton, Elizabeth C., 2 P.
 Lamberton, H. C., *So.*
 Lange, H. A., *Fr.*
 Langford, Gladys E., *So.*
 Langston, Zora L., *Fr.*
 Lansdell, Mary I., *C.*
 Laughinhouse, F., *So.*
 Laughinhouse, N. R., *So.*
 Lawson, Lillian, *Fr.*
 Lea, R. A., Jr.
 Leake, Annie, 2 P.
 Lee, Shelley H., *So.*
 Lenker, L. E., *So.*
 Lenton, W., *Prof.*
 Lentz, M., *Prof.*
 Lewis, Jennie D., *C.*
 Liddell, R. F., *So.*
 Lighton, Dorothy R., 2 P.
 Lilley, Clara P., *Fr.*
 Lincoln, S. E., *So.*
 Lindsey, H. M., *Fr.*
 Lipe, Ada L., *So.*
 Loomis, Lelia E., *Fr.*
 Loomis, Verna B., *Fr.*
 Loveland, N. E., 2 P.
 Luck, F. M., 2 P.
 Lucker, T. F., *So.*
 Lunsford, J. B., *So.*
 Lynch, R. V., Jr.
 Magness, E. B., 2 P.
 Magruder, Mrs. Belle J., *C.*
 Maloney, Orlean, *C.*
 Mann, Jas. H., *So.*
 Mardis, Paul L., *So.*
 Marinoni, A., *Prof.*
 Marks, J. A., Jr.
 Marsh, J. E., *Fr.*
 Marshall, C. L., *Sh. E.*
 Martin, Aubert, *So.*
 Martin, M. M., *Sp.*
 Martin, O. V., Jr.
 Mason, J. A., 2 P.
 Mastin, Eleanor, *C.*
 May, R. M., *Fr.*
 McAdams, M. Julia, *C.*
 McCain, Dolph, *So.*
 McCain, J. E., *So.*
 McCarty, R. L., Jr.
 McCarty, R. O., *Fr.*
 McCartney, Isabelle, Jr.
 McCartney, Ruth, *So.*
 McCauley, G. B., *Fr.*
 McClain, A., *So.*
 McClanahan, Lulu, *So.*
 McClelland, C., *Fr.*
 McCloud, J. T., *Fr.*
 McCoy, Bess C., *So.*
 McCoy, Jessie M., *So.*
 McCulloch, Ben, *Fr.*
 McCulloch, E. H., *So.*
 McCutcheon, H. G., 2 P.
 McDaniel, Louis, *Fr.*
 McDearmon, Nora, *C.*
 McFarlane, Margaret, 2 P.
 McFarlane, W. D., 2 P.
 McGill, Erwin, *So.*
 McGill, S. D., *So.*
 McGraw, Ophelia, *So.*
 McHenry, H. W., *Fr.*
 Melroy, W. H., *Fr.*
 McKinney, O. F., *So.*
 McLeod, L. S., *So.*
 McMurtrey, Alice O., 2 P.
 McMurtrey, E. L., 2 P.
 McNamara, Patti, *So.*
 McPherson, R. R., 2 P.
 McRae, Evelyn M., *C.*
 Medley, W. C., 2 P.
 Meriwether, L. H., *Fr.*
 Metcalf, C. H., Jr.
 Metcalf, R. J., 2 P.
 Metzger, Evelyn J., *Instr.*
 Meyer, N. S., *Fr.*
 Milburn, Mabelle, 2 P.
 Miles, W. C., *So.*

- Milford, C. G., *Jr.*
 Miller, H. G., *Sr.*
 Miller, J. V., *Fr.*
 Miller, Myrtle E., *C.*
 Milligan, J. J., 2 *P.*
 Milligan, Margaret L., 2 *P.*
 Millmine, C. J., 2 *P.*
 Millwee, F. B., 2 *P.*
 Millwee, M. R., *Fr.*
 Miner, Chas. L., *Fr.*
 Mitchell, B., *Jr.*, *Adj. Prof.*
 Mitchell, G. W., *So.*
 Mock, Genevieve E., *C.*
 Moody, W. F., *So.*
 Moon, V. T., *Sr.*
 Moore, Chas. J., *Fr.*
 Moore, Jas. C., 2 *P.*
 Moore, Jas. G., *So.*
 Moore, Juanita, *Sp.*
 Moore, Katusue, 2 *P.*
 Moore, L. Olivette, *Sp.*
 Moore, Lyla G., 2 *P.*
 Moore, Margaret, I., *C.*
 Moore, Sam W., *So.*
 Moore, Susie, *Un.*
 Moran, M. M., 2 *P.*
 Moreland, C. M., *Sr.*
 Moreland, J. D., 2 *P.*
 Morehead, Lelia M., *Jr.*
 Morgan, Elma, *Sr.*
 Morgan, Wm. G., *Sr.*
 Morris, B. B., *Jr.*
 Morrison, A. B., *So.*
 Morrow, H. E., *Adj. Prof.*
 Morton, Jennie, *So.*
 Morton, Winnifred, 2 *P.*
 Mosley, B., *Fr.*
 Mullins, Linnie R., *C.*
 Murphy, Jeffie R., *Fr.*
 Murphy, Wm. H., 2 *P.*
 Mustain, A. B., *Sr.*
 Nall, Hazel T., *Fr.*
 Nall, Tommie N., 2 *P.*
 Neely, Hallie T., *C.*
 Nelson, J. P., *Jr.*
 Nelson, Martin, *Assoc. Prof.*
 Newman, Archie L., 2 *P.*
 Nichols, Bard, *Fr.*
 Nichols, Lucy, *Jr.*
 Nichols, Meyer, 2 *P.*
 Nichols, Robin K., *Fr.*
 Nickell, H. A., *Fr.*
 Neimeyer, F. W., *Sr.*
 Norberry, Victoria, *So.*
 Norris, C. B., 2 *P.*
 Northum, T. M., *Fr.*
 Norwood, Gladys M., *C.*
 Nyhagen, R. A., *Fr.*
 Oates, Eunice, 2 *P.*
 Ontes, Max B., *Gr. Instr.*
 Old, M. Louise, *So.*
 Oliver, J. W., 2 *P.*
 Olney, L. S., *Assoc. Prof.*
 Oneal Fred L., *Fr.*
 Oneal, Harvey, *Fr.*
 Orton, Myrtle L., *So.*
 Oswald, Fred, *So.*
 Otts, Wm. O., 2 *P.*
 Outlaw, Maude, *So.*
 Overholt, J. E., *So.*
 Overton, W. R., *Fr.*
 Oxford, Lila M., *C.*
 Palmer, Roy C., 2 *P.*
 Pape, Sophia I., *C.*
 Parcell, E. W., *Sh. E.*
 Parke, Mrs. F. S., *Matron.*
 Parker, A. L., *Fr.*
 Parker, Robert H., *So.*
 Parks, J. D., 2 *P.*
 Parks, Liza, *Fr.*
 Parks, Louise, *Sp.*
 Parsons, L. C., *Fr.*
 Patton, A. P., *Sr.*
 Paul, C. W., *So.*
 Payne, R. H., *Fr.*
 Pearson, Stella R., *Fr.*
 Pemberton, H. J., *Sh. E.*
 Pemberton, R. L., *Fr.*
 Pendleton, C. M., *Sh. E.*
 Penix, W. R., *So.*
 Perkins, Elizabeth, K., 2 *P.*
 Pettigrew, Lucile A., *So.*
 Pettigrew, Mary R., *Fr.*
 Pettit, H. C., *Fr.*
 Phillip, Stanley, *Sp.*
 Phillips, E. H., 2 *P.*
 Phillips, Josephine, 2 *P.*
 Phillips, M. R., *Sr.*
 Phillips, J. T., 2 *P.*
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 Wood, Jack H., *Fr.*
 Wood, John S., *Fr.*
 Wood, Martha J., *C.*
 Wood, Olice C. *So.*
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 Wood, Roy G., *Fr.*
 Wood, Sue Belle, *Instr. Music.*
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 Wylie, C. N., *Fr.*
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 Yocum, H. S., *Jr.*
 York, H. O., 2 P.
 Young, H. D., *Instr.*
 Young, John H., 2 P.
 Zeigler, E. May, *Sr.*

DEGREES

On Commencement Day, June 9, 1909, degrees were conferred by the Board of Trustees of the University, as follows:

Graduates.

Abner H. Beard, C. E.	Sarah Shook, A. M.
Edwin Francis Woodson, E. E.	

Bachelor of Arts.

Joseph Cleveland Allen.	Jewel Machen.
Lexie Bell.	Philip McNemer.
Therom C. Blair.	James William Mehaffey.
James B. Bunn, Jr.	Myrtle Miller.
Bess Estelle Carnall.	Ara Mitchell.
Cecil Chadwick Cash.	George Jacob Moore.
Nelle Cokeman.	Wallace Carl Murphy.
Frances Douglas.	William Edward Nesbit.
John Jefferson DuLaney.	Elizabeth Nichols.
Forrest Ellis.	Delbert Austin Norton.
David Lane Ford.	Lucy Nunn.
Ruby Gibson.	Cameron Hartwell Pulley.
Rupert Campbell Gibson.	Alicia Johnston Read.
William Bertram Gibson.	Joseph Wicks Rhodes, Jr.
Ollie Greathouse.	John Albert Sherrill.
William Wylie Grubbs.	John LeRoy Shipley.
Frank Clayborne Hawkins.	Aileen Spencer.
Garland Hurt.	Bess M. Trent.
William James Jernigan.	Elgin Arnold Watterfield.
Annie Ketchum.	Lewis Edgar Winfrey.
Leroy Bismarck Liester.	John Powell Woods.
Leonard Luther Wootton.	

Bachelor of Science.

Roy R. Chamberlain.	John W. Revel.
Solon Biffell Mitchell.	Festus Russell.

Bachelor of Scientific Agriculture.

Hanan H. Holtzclaw.

Justin Randolph Tucker.

Max Bruce Oates.

James G. Yowell.

Bachelor of Mechanical Engineering.

Arthur Charles Davis.

Bachelor of Civil Engineering.

John C. Coker.

Merrill Foster Snell.

Okey Lee Davis.

Ralph Alonzo McNiel.

Herbert Guy Hixson.

Guy Anderson Watkins.

Charles Newton Wilson.

Bachelor of Electrical Engineering.

Wilbur Sidney Bayley.

Charles Robert Rhodes.

Truman Dale Williamson.

CERTIFICATES.**Licentiate of Instruction.**

Alice Baker.

Jessie Page Lee.

Kate Black.

Audie Maguire.

Madge Campbell.

Asa B. Mustain.

Bess E. Carnall.

Claire Norris.

Louise Cheever.

Lucy Nunn.

Ruby Cravens.

Nora Oliver.

Sula Fleeman.

Jamie Puntney.

Ira Lester George.

Wanda T. Richards.

Bess Graham.

Mrs. W. E. Simpson.

Viola Hatley.

Aileen Spencer.

Lillian Hines.

Mattie Stone.

Ruth Jennings.

Rosebud Vaughan.

Annie Ketchem.

Julia Veazey.

J. W. Webb.

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Maple Street

Arkansas Avenue

Dickson Street

Campus of the University of Arkansas.

ATHLETIC FIELD.

1. Ella Carnall Hall.
2. Chemistry Building.
3. Green House.
4. Agricultural Building.
5. Experiment Station.
6. Office of Director of Experiment Station.
7. Hospital.
8. Dairy Building.
9. Residence of Foreman of Farm.
10. Hall Hall.
11. Gray Hall.
12. Buchanan Hall.
13. Bath House.
14. Shops.
15. Engineering Hall.
16. Barn.
17. Tool House.
18. Grand Stand.
- A, B, C. Tennis Courts.



